

UNCLASSIFIED

**Department of Defense  
Fiscal Year (FY) 2013 President's Budget Submission**

February 2012



**Navy**

*Justification Book Volume 2*

***Other Procurement, Navy***

**Budget Activity 2**

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Navy • President's Budget Submission FY 2013 • Procurement

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## Department of Defense Appropriations Act, 2013

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### **Other Procurement, Navy**

For procurement, production, and modernization of support equipment and materials not otherwise provided for, Navy ordnance (except ordnance for new aircraft, new ships, and ships authorized for conversion); the purchase of passenger motor vehicles for replacement only; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$6,268,260,000, to remain available for obligation until September 30, 2015.

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Total Obligational Authority  
(Dollars in Thousands)

18 Jan 2012

Appropriation -----	FY 2011 Actuals -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
Other Procurement, Navy	6,155,718	6,013,385	236,125	6,249,510
Total Department of the Navy	6,155,718	6,013,385	236,125	6,249,510

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Appropriation -----	FY 2013 Base -----	FY 2013 OCO -----	FY 2013 Total -----
Other Procurement, Navy	6,169,378	98,882	6,268,260
Total Department of the Navy	6,169,378	98,882	6,268,260

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## Appropriation: Other Procurement, Navy

Budget Activity -----	FY 2011 Actuals -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
01. Ships Support Equipment	2,290,251	2,318,059		2,318,059
02. Communications & Electronics Equip	1,785,333	1,922,229		1,922,229
03. Aviation Support Equipment	331,702	327,779	90,026	417,805
04. Ordnance Support Equipment	655,063	664,008	15,700	679,708
05. Civil Engineering Support Equip	268,361	70,919	20,592	91,511
06. Supply Support Equipment	126,702	72,735	3,644	76,379
07. Personnel & Command Support Equip	478,626	429,272	105,690	534,962
08. Spares and Repair Parts	219,680	208,384	473	208,857
Total Other Procurement, Navy	6,155,718	6,013,385	236,125	6,249,510

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## Appropriation: Other Procurement, Navy

Budget Activity -----	FY 2013 Base -----	FY 2013 OCO -----	FY 2013 Total -----
01. Ships Support Equipment	2,031,882		2,031,882
02. Communications & Electronics Equip	2,163,239	3,603	2,166,842
03. Aviation Support Equipment	440,429	58,200	498,629
04. Ordnance Support Equipment	645,465		645,465
05. Civil Engineering Support Equip	83,519	24,756	108,275
06. Supply Support Equipment	62,877		62,877
07. Personnel & Command Support Equip	491,249	12,323	503,572
08. Spares and Repair Parts	250,718		250,718
Total Other Procurement, Navy	6,169,378	98,882	6,268,260

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Ships Support Equipment											
Ship Propulsion Equipment											
1	LM-2500 Gas Turbine	A		10,468		13,794				13,794	U
2	Allison 501k Gas Turbine	A		14,842		8,643				8,643	U
Navigation Equipment											
3	Other Navigation Equipment	A		23,042		20,582				20,582	U
Periscopes											
4	Sub Periscopes & Imaging Equip	A		72,360		57,033				57,033	U
Other Shipboard Equipment											
5	DDG Mod	A		288,118		117,522				117,522	U
6	Firefighting Equipment	A		7,626		17,637				17,637	U
7	Command And Control Switchboard	A		2,349		3,049				3,049	U
8	Pollution Control Equipment	B		25,474		22,266				22,266	U
9	Submarine Support Equipment	A		7,688		14,122				14,122	U
10	Virginia Class Support Equipment	A		129,334		93,487				93,487	U
11	LCS Class Support Equipment										U
12	Submarine Batteries			30,888		42,296				42,296	U
13	LPD Class Support Equipment										U
14	Strategic Platform Support Equip	A		22,988		25,228				25,228	U
15	DSSP Equipment	A		3,848		2,600				2,600	U
16	CG Modernization	A		348,934		573,349				573,349	U

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Ships Support Equipment									
Ship Propulsion Equipment									
1	LM-2500 Gas Turbine	A		10,658			10,658		U
2	Allison 501k Gas Turbine	A		8,469			8,469		U
Navigation Equipment									
3	Other Navigation Equipment	A		23,392			23,392		U
Periscopes									
4	Sub Periscopes & Imaging Equip	A		53,809			53,809		U
Other Shipboard Equipment									
5	DDG Mod	A		452,371			452,371		U
6	Firefighting Equipment	A		16,958			16,958		U
7	Command And Control Switchboard	A		2,492			2,492		U
8	Pollution Control Equipment	B		20,707			20,707		U
9	Submarine Support Equipment	A		12,046			12,046		U
10	Virginia Class Support Equipment	A		79,870			79,870		U
11	LCS Class Support Equipment			19,865			19,865		U
12	Submarine Batteries			41,522			41,522		U
13	LPD Class Support Equipment			30,543			30,543		U
14	Strategic Platform Support Equip	A		16,257			16,257		U
15	DSSP Equipment	A		3,630			3,630		U
16	CG Modernization	A		101,000			101,000		U

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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
17	LCAC	A		2,628							U
18	Underwater Eod Programs			15,822		17,499			17,499		U
19	Items Less Than \$5 Million	A		113,367		93,401			93,401		U
20	Chemical Warfare Detectors	A		7,430		5,508			5,508		U
21	Submarine Life Support System	A		12,945		13,397			13,397		U
	Reactor Plant Equipment										
22	Reactor Power Units	A		429,420		436,838			436,838		U
23	Reactor Components	A		265,022		271,600			271,600		U
	Ocean Engineering										
24	Diving And Salvage Equipment	A		10,172		9,644			9,644		U
	Small Boats										
25	Standard Boats	A		72,665		33,653			33,653		U
	Training Equipment										
26	Other Ships Training Equipment	A		16,006		29,913			29,913		U
	Production Facilities Equipment										
27	Operating Forces Ipe	A		90,109		54,642			54,642		U
	Other Ship Support										
28	Nuclear Alterations	A		116,196		144,175			144,175		U
29	LCS Common Mission Modules Equipment			41,145		63,448			63,448		U
30	LCS MCM Mission Modules										U
31	LCS SUW Mission Modules										U

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
17	LCAC	A		16,645			16,645		U
18	Underwater Eod Programs			35,446			35,446		U
19	Items Less Than \$5 Million	A		65,998			65,998		U
20	Chemical Warfare Detectors	A		4,359			4,359		U
21	Submarine Life Support System	A		10,218			10,218		U
	Reactor Plant Equipment								
22	Reactor Power Units	A		286,859			286,859		U
23	Reactor Components	A		278,503			278,503		U
	Ocean Engineering								
24	Diving And Salvage Equipment	A		8,998			8,998		U
	Small Boats								
25	Standard Boats	A		30,131			30,131		U
	Training Equipment								
26	Other Ships Training Equipment	A		29,772			29,772		U
	Production Facilities Equipment								
27	Operating Forces Ipe	A		64,346			64,346		U
	Other Ship Support								
28	Nuclear Alterations	A		154,652			154,652		U
29	LCS Common Mission Modules Equipment			31,319			31,319		U
30	LCS MCM Mission Modules			38,392			38,392		U
31	LCS SUW Mission Modules			32,897			32,897		U

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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Logistic Support											
32	LSD Midlife			109,365		132,733				132,733	U
Total Ships Support Equipment				2,290,251		2,318,059				2,318,059	
Budget Activity 02: Communications & Electronics Equip											
Ship Radars											
33	Radar Support	A		6,962		10,618				10,618	U
Ship Sonars											
34	SPQ-9B Radar	A		5,656		18,236				18,236	U
35	AN/SQQ-89 Surf ASW Combat System	A		89,157		71,771				71,771	U
36	SSN Acoustics	A		232,743		212,913				212,913	U
37	Undersea Warfare Support Equipment	A		27,095		25,686				25,686	U
38	Sonar Switches And Transducers	A		12,985		13,537				13,537	U
39	Electronic Warfare MILDEC	A				16,841				16,841	U
Asw Electronic Equipment											
40	Submarine Acoustic Warfare System	A		18,438		20,554				20,554	U
41	SSTD	A				1,257				1,257	U
42	Fixed Surveillance System	A		57,169		60,141				60,141	U
43	Surtass	A		8,422		25,547				25,547	U
44	Maritime Patrol and Reconnsaissance Force	A		18,485		13,453				13,453	U
Electronic Warfare Equipment											
45	AN/SLQ-32	A		23,131		39,902				39,902	U

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Logistic Support									
32	LSD Midlife			49,758				49,758	U
Total Ships Support Equipment				2,031,882				2,031,882	
Budget Activity 02: Communications & Electronics Equip									
Ship Radars									
33	Radar Support	A							U
Ship Sonars									
34	SPQ-9B Radar	A		19,777				19,777	U
35	AN/SQQ-89 Surf ASW Combat System	A		89,201				89,201	U
36	SSN Acoustics	A		190,874				190,874	U
37	Undersea Warfare Support Equipment	A		17,035				17,035	U
38	Sonar Switches And Transducers	A		13,410				13,410	U
39	Electronic Warfare MILDEC	A							U
Asw Electronic Equipment									
40	Submarine Acoustic Warfare System	A		21,489				21,489	U
41	SSTD	A		10,716				10,716	U
42	Fixed Surveillance System	A		98,896				98,896	U
43	Surtass	A		2,774				2,774	U
44	Maritime Patrol and Reconnaissance Force	A		18,428				18,428	U
Electronic Warfare Equipment									
45	AN/SLQ-32	A		92,270				92,270	U

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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Reconnaissance Equipment											
46	Shipboard IW Exploit	A		108,551		100,745				100,745	U
47	Automated Identification System (AIS)			1,292		1,364				1,364	U
Submarine Surveillance Equipment											
48	Submarine Support Equipment Prog	A		69,728		89,241				89,241	U
Other Ship Electronic Equipment											
49	Cooperative Engagement Capability	B		25,551		19,332				19,332	U
50	Trusted Information System (TIS)			336		426				426	U
51	Naval Tactical Command Support System (NTCSS)	A		33,176		33,017				33,017	U
52	ATDLS	A		2,260		942				942	U
53	Navy Command and Control System (NCCS)			8,872		7,896				7,896	U
54	Minesweeping System Replacement	A		79,641		27,868				27,868	U
55	Shallow Water MCM	B		1,254		1,048				1,048	U
56	Navstar GPS Receivers (SPACE)	A		9,269		9,926				9,926	U
57	American Forces Radio and TV Service	A		3,311		4,370				4,370	U
58	Strategic Platform Support Equip	A		4,225		4,143				4,143	U
Training Equipment											
59	Other Training Equipment	A		27,611		35,189				35,189	U
Aviation Electronic Equipment											
60	Matcals	A		39,747		13,368				13,368	U
61	Shipboard Air Traffic Control	B		7,617		7,394				7,394	U

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Reconnaissance Equipment									
46	Shipboard IW Exploit	A		107,060			107,060		U
47	Automated Identification System (AIS)			914			914		U
Submarine Surveillance Equipment									
48	Submarine Support Equipment Prog	A		34,050			34,050		U
Other Ship Electronic Equipment									
49	Cooperative Engagement Capability	B		27,881			27,881		U
50	Trusted Information System (TIS)			448			448		U
51	Naval Tactical Command Support System (NTCSS)	A		35,732			35,732		U
52	ATDLS	A							U
53	Navy Command and Control System (NCCS)			9,533			9,533		U
54	Minesweeping System Replacement	A		60,111			60,111		U
55	Shallow Water MCM	B		6,950			6,950		U
56	Navstar GPS Receivers (SPACE)	A		9,089			9,089		U
57	American Forces Radio and TV Service	A		7,768			7,768		U
58	Strategic Platform Support Equip	A		3,614			3,614		U
Training Equipment									
59	Other Training Equipment	A		42,911			42,911		U
Aviation Electronic Equipment									
60	Matcals	A		5,861			5,861		U
61	Shipboard Air Traffic Control	B		8,362			8,362		U

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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
62	Automatic Carrier Landing System	A		10,724		17,018				17,018	U
63	National Air Space System	B		17,436		24,581				24,581	U
64	Fleet Air Traffic Control Systems	A		6,814		7,213				7,213	U
65	Landing Systems	A		8,505		7,138				7,138	U
66	ID Systems	A		22,998		31,470				31,470	U
67	Naval Mission Planning Systems	A		7,756		8,941				8,941	U
Other Shore Electronic Equipment											
68	Deployable Joint Command And Cont	A		23,196		8,994				8,994	U
69	Maritime Integrated Broadcast System			2,928		13,529				13,529	U
70	Tactical/Mobile C4I Systems	A		9,778		10,876				10,876	U
71	DCGS-N	A		16,543		11,201				11,201	U
72	CANES			10,208		96,088				96,088	U
73	Radiac	A		4,869		6,201				6,201	U
74	CANES-Intell			3,123		72,313				72,313	U
75	Gpete	A		5,829		6,010				6,010	U
76	Integ Combat System Test Facility	A		4,421		4,441				4,441	U
77	EMI Control Instrumentation	A		6,511		4,741				4,741	U
78	Items Less Than \$5 Million	A		31,563		42,416				42,416	U
Shipboard Communications											
79	Shipboard Tactical Communications	A				1,494				1,494	U
80	Ship Communications Automation	A		229,250		255,110				255,110	U

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
62	Automatic Carrier Landing System	A		15,685			15,685	U	
63	National Air Space System	B		16,919			16,919	U	
64	Fleet Air Traffic Control Systems	A		6,828			6,828	U	
65	Landing Systems	A		7,646			7,646	U	
66	ID Systems	A		35,474			35,474	U	
67	Naval Mission Planning Systems	A		9,958			9,958	U	
Other Shore Electronic Equipment									
68	Deployable Joint Command And Cont	A		9,064			9,064	U	
69	Maritime Integrated Broadcast System			16,026			16,026	U	
70	Tactical/Mobile C4I Systems	A		11,886	3,603		15,489	U	
71	DCGS-N	A		11,887			11,887	U	
72	CANES			341,398			341,398	U	
73	Radiac	A		8,083			8,083	U	
74	CANES-Intell			79,427			79,427	U	
75	Gpete	A		6,083			6,083	U	
76	Integ Combat System Test Facility	A		4,495			4,495	U	
77	EMI Control Instrumentation	A		4,767			4,767	U	
78	Items Less Than \$5 Million	A		81,755			81,755	U	
Shipboard Communications									
79	Shipboard Tactical Communications	A						U	
80	Ship Communications Automation	A		56,870			56,870	U	

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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
81	Maritime Domain Awareness (MDA)	A		7,608		24,022				24,022	U
82	Communications Items Under \$5M	A		30,981		27,544				27,544	U
	Submarine Communications										
83	Submarine Broadcast Support	A				10,357				10,357	U
84	Submarine Communication Equipment	A		55,434		74,047				74,047	U
	Satellite Communications										
85	Satellite Communications Systems	A		28,650		25,522				25,522	U
86	Navy Multiband Terminal (NMT)			91,607		107,242				107,242	U
	Shore Communications										
87	JCS Communications Equipment	A		2,244		2,186				2,186	U
88	Electrical Power Systems	A		1,302		1,329				1,329	U
89	Naval Shore Communications	A		3,404		2,418				2,418	U
	Cryptographic Equipment										
90	Info Systems Security Program (ISSP)	A		128,777		109,394				109,394	U
	Cryptologic Equipment										
91	Cryptologic Communications Equip	A		18,223		14,820				14,820	U
	Other Electronic Support										
92	Coast Guard Equipment	A		20,080		6,848				6,848	U
93	Defense Rapid Innovation Program			14,919							U

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
81	Maritime Domain Awareness (MDA)	A		1,063			1,063		U
82	Communications Items Under \$5M	A		28,522			28,522		U
	Submarine Communications								
83	Submarine Broadcast Support	A		4,183			4,183		U
84	Submarine Communication Equipment	A		69,025			69,025		U
	Satellite Communications								
85	Satellite Communications Systems	A		49,294			49,294		U
86	Navy Multiband Terminal (NMT)			184,825			184,825		U
	Shore Communications								
87	JCS Communications Equipment	A		2,180			2,180		U
88	Electrical Power Systems	A		1,354			1,354		U
89	Naval Shore Communications	A							U
	Cryptographic Equipment								
90	Info Systems Security Program (ISSP)	A		144,104			144,104		U
	Cryptologic Equipment								
91	Cryptologic Communications Equip	A		12,604			12,604		U
	Other Electronic Support								
92	Coast Guard Equipment	A		6,680			6,680		U
93	Defense Rapid Innovation Program								U



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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Drug Interdiction Support											
94	Other Drug Interdiction Support	A		36,968							U
Total Communications & Electronics Equip				1,785,333		1,922,229				1,922,229	
Budget Activity 03: Aviation Support Equipment											
Sonobuoys											
95	Sonobuoys - All Types	A		83,391		94,814				94,814	U
Aircraft Support Equipment											
96	Weapons Range Support Equipment	A		59,376		50,197				50,197	U
97	Expeditionary Airfields	A		12,983		8,561		47,000		55,561	U
98	Aircraft Rearming Equipment	A		11,074		5,587				5,587	U
99	Aircraft Launch & Recovery Equipment	A		28,724		19,777				19,777	U
100	Meteorological Equipment	A		25,442		19,478		10,800		30,278	U
101	DCRS/DPL	A		1,565		1,595				1,595	U
102	Aviation Life Support	A		34,685		60,919		14,000		74,919	U
103	Airborne Mine Countermeasures	A		35,661		33,515				33,515	U
104	Lamps MK III Shipboard Equipment	A		16,294		12,908				12,908	U
105	Portable Electronic Maintenance Aids			10,554		7,875				7,875	U
106	Other Aviation Support Equipment	A		11,953		12,553		18,226		30,779	U
107	Autonomic Logistics Information System (ALIS)										U
Total Aviation Support Equipment				331,702		327,779		90,026		417,805	

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Drug Interdiction Support									
94	Other Drug Interdiction Support	A							U
Total Communications & Electronics Equip				2,163,239		3,603		2,166,842	
Budget Activity 03: Aviation Support Equipment									
-----									
Sonobuoys									
95	Sonobuoys - All Types	A		104,677				104,677	U
Aircraft Support Equipment									
96	Weapons Range Support Equipment	A		70,753				70,753	U
97	Expeditionary Airfields	A		8,678		58,200		66,878	U
98	Aircraft Rearming Equipment	A		11,349				11,349	U
99	Aircraft Launch & Recovery Equipment	A		82,618				82,618	U
100	Meteorological Equipment	A		18,339				18,339	U
101	DCRS/DPL	A		1,414				1,414	U
102	Aviation Life Support	A		40,475				40,475	U
103	Airborne Mine Countermeasures	A		61,552				61,552	U
104	Lamps MK III Shipboard Equipment	A		18,771				18,771	U
105	Portable Electronic Maintenance Aids			7,954				7,954	U
106	Other Aviation Support Equipment	A		10,023				10,023	U
107	Autonomic Logistics Information System (ALIS)			3,826				3,826	U
Total Aviation Support Equipment				440,429		58,200		498,629	

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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 04: Ordnance Support Equipment											
Ship Gun System Equipment											
108	Naval Fires Control System	A		1,080		2,049				2,049	U
109	Gun Fire Control Equipment	A		8,032		4,488				4,488	U
Ship Missile Systems Equipment											
110	NATO Seasparrow	A		10,106		8,926				8,926	U
111	RAM GMLS	A		6,763		3,128				3,128	U
112	Ship Self Defense System	B		43,239		54,324				54,324	U
113	AEGIS Support Equipment	A		81,860		43,148				43,148	U
114	Tomahawk Support Equipment	A		88,217		70,261				70,261	U
115	Vertical Launch Systems	A		5,668		732				732	U
116	Maritime Integrated Planning System-MIPS	A				4,823				4,823	U
Fbm Support Equipment											
117	Strategic Missile Systems Equip	A		158,171		187,807				187,807	U
Asw Support Equipment											
118	SSN Combat Control Systems	A		77,771		89,096				89,096	U
119	Submarine ASW Support Equipment	A		5,254		5,241				5,241	U
120	Surface ASW Support Equipment	A		8,278		5,816				5,816	U
121	ASW Range Support Equipment	A		7,082		7,842				7,842	U
Other Ordnance Support Equipment											
122	Explosive Ordnance Disposal Equip	B		73,058		96,947		15,700		112,647	U

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 04: Ordnance Support Equipment									
Ship Gun System Equipment									
108	Naval Fires Control System	A		3,472				3,472	U
109	Gun Fire Control Equipment	A		4,528				4,528	U
Ship Missile Systems Equipment									
110	NATO Seasparrow	A		8,960				8,960	U
111	RAM GMLS	A		1,185				1,185	U
112	Ship Self Defense System	B		55,371				55,371	U
113	AEGIS Support Equipment	A		81,614				81,614	U
114	Tomahawk Support Equipment	A		77,767				77,767	U
115	Vertical Launch Systems	A		754				754	U
116	Maritime Integrated Planning System-MIPS	A		4,965				4,965	U
Fbm Support Equipment									
117	Strategic Missile Systems Equip	A		181,049				181,049	U
Asw Support Equipment									
118	SSN Combat Control Systems	A		71,316				71,316	U
119	Submarine ASW Support Equipment	A		4,018				4,018	U
120	Surface ASW Support Equipment	A		6,465				6,465	U
121	ASW Range Support Equipment	A		47,930				47,930	U
Other Ordnance Support Equipment									
122	Explosive Ordnance Disposal Equip	B		3,579				3,579	U

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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
123	Items Less Than \$5 Million	A		2,466		4,073				4,073	U
	Other Expendable Ordnance										
124	Anti-Ship Missile Decoy System	A		36,389		32,716				32,716	U
125	Surface Training Device Mods	A		7,297		5,814				5,814	U
126	Submarine Training Device Mods	A		34,332		36,777				36,777	U
	Total Ordnance Support Equipment			655,063		664,008		15,700		679,708	
Budget Activity 05: Civil Engineering Support Equip											
-----											
Civil Engineering Support Equipment											
127	Passenger Carrying Vehicles	A		4,652		4,771		2,628		7,399	U
128	General Purpose Trucks	A		951		3,202				3,202	U
129	Construction & Maintenance Equip	A		55,074		9,850		13,290		23,140	U
130	Fire Fighting Equipment	A		12,784		14,315		3,672		17,987	U
131	Tactical Vehicles	B		134,350		16,502				16,502	U
132	Amphibious Equipment	A		3,115		3,235				3,235	U
133	Pollution Control Equipment	A		5,126		7,175				7,175	U
134	Items Under \$5 Million	A		51,187		10,727		1,002		11,729	U
135	Physical Security Vehicles	A		1,122		1,142				1,142	U
	Total Civil Engineering Support Equip			268,361		70,919		20,592		91,511	

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
123	Items Less Than \$5 Million	A		3,125				3,125	U
	Other Expendable Ordnance								
124	Anti-Ship Missile Decoy System	A		31,743				31,743	U
125	Surface Training Device Mods	A		34,174				34,174	U
126	Submarine Training Device Mods	A		23,450				23,450	U
	Total Ordnance Support Equipment			645,465				645,465	
Budget Activity 05: Civil Engineering Support Equip									
-----									
	Civil Engineering Support Equipment								
127	Passenger Carrying Vehicles	A		7,158		3,901		11,059	U
128	General Purpose Trucks	A		3,325		852		4,177	U
129	Construction & Maintenance Equip	A		8,692		2,436		11,128	U
130	Fire Fighting Equipment	A		14,533		3,798		18,331	U
131	Tactical Vehicles	B		15,330		13,394		28,724	U
132	Amphibious Equipment	A		10,803				10,803	U
133	Pollution Control Equipment	A		7,265				7,265	U
134	Items Under \$5 Million	A		15,252		375		15,627	U
135	Physical Security Vehicles	A		1,161				1,161	U
	Total Civil Engineering Support Equip			83,519		24,756		108,275	

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 06: Supply Support Equipment											
-----											
Supply Support Equipment											
136	Materials Handling Equipment	A		47,614		9,972		3,644		13,616	U
137	Other Supply Support Equipment	A		6,619		4,453				4,453	U
138	First Destination Transportation	A		6,281		6,416				6,416	U
139	Special Purpose Supply Systems	A		66,188		51,894				51,894	U
Total Supply Support Equipment				----- 126,702		----- 72,735		----- 3,644		----- 76,379	
Budget Activity 07: Personnel & Command Support Equip											
-----											
Training Devices											
140	Training Support Equipment	A		11,423		16,353				16,353	U
Command Support Equipment											
141	Command Support Equipment	A		42,591		26,321		3,310		29,631	U
142	Education Support Equipment	A		2,056		2,197				2,197	U
143	Medical Support Equipment	A		5,649		14,175				14,175	U
146	Naval MIP Support Equipment	A		1,425		1,457				1,457	U
148	Operating Forces Support Equipment	A		12,685		15,330		6,977		22,307	U
149	C4ISR Equipment	A		5,288		136		24,762		24,898	U
150	Environmental Support Equipment	A		19,926		18,639				18,639	U
151	Physical Security Equipment	A		192,752		177,240		70,641		247,881	U

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 06: Supply Support Equipment									
-----									
Supply Support Equipment									
136	Materials Handling Equipment	A		15,204				15,204	U
137	Other Supply Support Equipment	A		6,330				6,330	U
138	First Destination Transportation	A		6,539				6,539	U
139	Special Purpose Supply Systems	A		34,804				34,804	U
Total Supply Support Equipment				-----		-----		-----	
				62,877				62,877	
Budget Activity 07: Personnel & Command Support Equip									
-----									
Training Devices									
140	Training Support Equipment	A		25,444				25,444	U
Command Support Equipment									
141	Command Support Equipment	A		43,165				43,165	U
142	Education Support Equipment	A		2,251				2,251	U
143	Medical Support Equipment	A		3,148				3,148	U
146	Naval MIP Support Equipment	A		3,502				3,502	U
148	Operating Forces Support Equipment	A		15,696				15,696	U
149	C4ISR Equipment	A		4,344		3,000		7,344	U
150	Environmental Support Equipment	A		19,492				19,492	U
151	Physical Security Equipment	A		177,149		9,323		186,472	U

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Line No	Item Nomenclature	Ident Code	FY 2011 Actuals		FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
152	Enterprise Information Technology	A		163,223		143,022				143,022	U
999	Classified Programs			21,608		14,402				14,402	U
Total Personnel & Command Support Equip				478,626		429,272		105,690		534,962	
Budget Activity 08: Spares and Repair Parts											
-----											
Spares And Repair Parts											
153	Spares And Repair Parts	A		219,680		208,384		473		208,857	U
Total Spares and Repair Parts				219,680		208,384		473		208,857	
Total Other Procurement, Navy				6,155,718		6,013,385		236,125		6,249,510	

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Line No	Item Nomenclature	Ident Code	FY 2013 Base		FY 2013 OCO		FY 2013 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
152	Enterprise Information Technology	A		183,995				183,995	U
999	Classified Programs			13,063				13,063	U
	Total Personnel & Command Support Equip			491,249		12,323		503,572	
Budget Activity 08: Spares and Repair Parts									
Spares And Repair Parts									
153	Spares And Repair Parts	A		250,718				250,718	U
	Total Spares and Repair Parts			250,718				250,718	
	Total Other Procurement, Navy			6,169,378		98,882		6,268,260	

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77	02	10	2970	EMI Control Instrumentation.....	Volume 2 - 807
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***Appropriation 1810N: Other Procurement, Navy***

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SPQ-9B Radar	2026	34	02	02.....	Volume 2 - 9
SSN Acoustics	2147	36	02	02.....	Volume 2 - 59
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Satellite Communications Systems	3215	85	02	13.....	Volume 2 - 997
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Ship Communications Automation	3050	80	02	11.....	Volume 2 - 857
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<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
Submarine Supt Equip Prog	2560	48	02	06.....	Volume 2 - 315
Surface Ship Torpedo Def (SSTD)	2213	41	02	03.....	Volume 2 - 155
Tactical/Mobile C4I Systems	2906	70	02	10.....	Volume 2 - 701
Trusted Information System (TIS)	2608	50	02	07.....	Volume 2 - 411
Undersea Warfare Support Equipment	2176	37	02	02.....	Volume 2 - 119

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 1 : Ship Radars

**P-1 Line Item Nomenclature:**  
2040 - Radar Support

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	104.573	6.962	10.618	-	-	-	-	-	-	-	0.000	122.153
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	104.573	6.962	10.618	-	-	-	-	-	-	-	0.000	122.153
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	104.573	6.962	10.618	-	-	-	-	-	-	-	0.000	122.153
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	1.362	2.127	-	-	-	-	-	-	-	0.000	3.489
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[P3A / KGCA7 PERISCOPE DETECTION RADAR]: The CVN Periscope Detection Radar, AN/SPS-74(V)2, fields a radar that provides automatic detection and discrimination of submarine periscopes using advanced algorithms enabling discrimination of periscopes from surface contacts, buoys, small boats, floating mines, etc. Funding is also for engineering efforts required to convert an Advanced Demonstration Model (ADM) produced during initial R&D efforts to provide a specific capability into a production representative model that meets all requirements of the Capability Development Document (CDD). Funding also implements and procures Engineering Change Orders (ECOs) required to reflect modifications/changes resulting from initial Fleet operations and associated Fleet feedback. Beginning in FY13, funding is realigned to BLI 2980.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Radar Support (See enclosed P-40A)	P40A				84.234			-			-			-			-			-
KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS - 1	P3A		-	-	20.339	-	-	6.962	-	-	10.618	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					<b>104.573</b>			<b>6.962</b>			<b>10.618</b>			-			-			-





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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 1	<b>P-1 Line Item Nomenclature:</b> 2040 - Radar Support	<b>Aggregated Item Name:</b> Radar Support
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) Radar Support</b>																			
1) ALL PRIOR YEAR COSTS	A	-	-	84.234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) Radar Support</i>				84.234			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>84.234</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 1	<b>P-1 Line Item Nomenclature:</b> 2040 - Radar Support	<b>Aggregated Item Name:</b> Radar Support
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Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) Radar Support</b>																			
1) ALL PRIOR YEAR COSTS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) Radar Support</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 1	<b>P-1 Line Item Nomenclature:</b> 2040 - Radar Support	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS - 1

<b>Models of Systems Affected:</b> PERISCOPE DETECTION RADAR	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	20.339	6.962	10.618	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.919
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	20.339	6.962	10.618	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.919
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	20.339	6.962	10.618	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.919

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 1	<b>P-1 Line Item Nomenclature:</b> 2040 - Radar Support	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS - 1

<b>Models of Systems Affected:</b> PERISCOPE DETECTION RADAR	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS												
B Kits												
Recurring												
1.1) KGCA7 PERISCOPE DETECTION RADAR - NonOrganic <sup>(1)</sup>	-	-	-	-	2	6.400	-	-	-	-	-	-
1.2) KGCA7 ENGINEERING CHANGE ORDERS - NonOrganic	-	9.127	-	6.341	-	0.518	-	-	-	-	-	-
1.3) KGCA7 PRODUCTION SUPPORT - Organic	-	11.212	-	0.621	-	2.887	-	-	-	-	-	-
<i>Subtotal Recurring</i>		20.339		6.962		9.805		0.000		0.000		0.000
<i>Total, KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS</i>	-	20.339	-	6.962	2	9.805	-	-	-	-	-	-
<i>Total, All Modifications</i>		20.339		6.962		9.805		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		20.339		6.962		9.805		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.813		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		20.339		6.962		10.618		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS												
B Kits												
Recurring												
1.1) KGCA7 PERISCOPE DETECTION RADAR - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	2	6.400
1.2) KGCA7 ENGINEERING CHANGE ORDERS - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	15.986
1.3) KGCA7 PRODUCTION SUPPORT - Organic	-	-	-	-	-	-	-	-	-	-	-	14.720
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		37.106
<i>Total, KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS</i>	-	-	-	-	-	-	-	-	-	-	2	37.106
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		37.106

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 1	<b>P-1 Line Item Nomenclature:</b> 2040 - Radar Support	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS - 1

<b>Models of Systems Affected:</b> PERISCOPE DETECTION RADAR	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		37.106
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.813
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>37.919</b>

**Remarks:**  
<sup>(1)</sup>Installation for FY12 units and follow for AN/SPS-74 will be reflected in BLI 2980. The first production unit in FY12 will require 16 month production lead time and second FY12 unit will require 18 months. The remaining 7 units will require 13 month lead times.

The FY12 installation funds are for Design Services Allocation and Advance Planning for the FY13 installations that are now reflected in the budget for OPN line item 2980.

**Manufacturer Information: KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS**

Manufacturer Name: 3 Phoenix				Manufacturer Location: Chantilly, VA			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 16			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012					
Delivery Dates		Jun 2013					

<b>Installation:</b> KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> KGCA7 PERISCOPE DETECTION RADAR
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	0	0.813	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 1	<b>P-1 Line Item Nomenclature:</b> 2040 - Radar Support	<b>Modification Nomenclature</b> (Modification Title, Modification Number): KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS - 1

<b>Models of Systems Affected:</b> PERISCOPE DETECTION RADAR	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> KGCA7 - PERISCOPE DETECTION RADAR AND INSTALLATIONS	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> KGCA7 PERISCOPE DETECTION RADAR
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	0	0.813	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	0	0.813
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	0	0.813

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar
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Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	80.736	5.656	18.236	19.777	-	19.777	23.471	31.359	28.618	35.256	485.113	728.222
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	80.736	5.656	18.236	19.777	-	19.777	23.471	31.359	28.618	35.256	485.113	728.222
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	80.736	5.656	18.236	19.777	-	19.777	23.471	31.359	28.618	35.256	485.113	728.222
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.227	0.876	0.464	-	0.464	0.458	0.951	1.366	1.370	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program provides for procurement of AN/SPQ-9B Radars whose primary mission is to detect and track low flying Anti-Ship Missile targets in heavy clutter. The mission of the AN/SPQ-9B is currently being expanded to include the capability to detect and classify periscopes with the completion and incorporation of a Periscope Detection and Discrimination (PDD) capability designed to operate concurrently with the Anti-Ship Missile Defense (ASMD) capability.

[BR5IN AN/SPQ-9B FMP INSTALLATIONS]: Provides funding to install AN/SPQ-9B Radar systems. AN/SPQ-9B systems are Alteration Installation Team (AIT) installations that require Planning Yard Design Services Allocation (DSA) funds one (1) and two (2) years prior to installation. Advance Planning (AP) is required one (1) year prior to installation.

[BR6IN AN/SPQ-9B NON FMP INSTALLATIONS]: Provides funding for the installation of equipment for Land Based Test Sites.

[P40A / BR042 MISCELLANEOUS ECPs]: Procures product improvements generated by Engineering Change Proposals (ECPs); corrects problems reported by Fleet units; upgrades unreliable components and replaces obsolete components and parts no longer in production for AN/SPQ-9B Radar; and addresses supportability concerns. Purchases and installs ECPs, including Antenna Shock Upgrade Kits, Digital Signal Processor (DSP) Kits, Periscope Detection and Discrimination (PDD) Kits and engineering change kit hardware components. Antenna Shock Upgrade Kits will be installed during Antenna Restorations. DSP and PDD kits will be installed via Alteration Installation Team (AIT) and can be accomplished outside of a CNO Availability.

[P40A / BR830 AN/SPQ-9B PRODUCTION SUPPORT]: Supports the AN/SPQ-9B Radar program In-Service Engineering Agent (ISEA), Software Support Activity (SSA), Integrated Logistics Agent (ILA), Acquisition Engineering Agent (AEA), and Technical Design Agent (TDA). Also includes support for production of hardware and production hardware components related to Engineering Change Proposals (ECPs).

[P40A / BRCA1 AN/SPQ-9B RADAR COMPONENTS]: Funding is provided via Congressional Plus Up to procure AN/SPQ-9B Radars, Transmitter Upgrades (TUP), Antennas, sub-components, software and modifications.

[P40A / BRCA2 AN/SPQ-9B RADAR COMPONENTS]: Funding is provided via Congressional Plus Up to procure AN/SPQ-9B Radars, Transmitter Upgrades (TUP), Antennas, sub-components, software and modifications.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 2 : Ship Sonars

**P-1 Line Item Nomenclature:**  
2026 - SPQ-9B Radar

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

[P3A / BR040 AN/SPQ-9B RADAR FMP EQUIPMENT]: Procures AN/SPQ-9B Radars to add Anti-Ship Missile Defense (ASMD) capability to Shipboard Combat Systems. Procures to support combat systems on the following ship classes: CG, LHA, DDG, CVN, LHD, LPD, U.S. Coast Guard National Security Cutter and a Training Unit. Systems procured for CRUDES and Amphibious Ships in FY 12 and beyond will also include the Periscope Detection and Discrimination (PDD) capability.

[P3A / BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT]: Provides funding for the procurement of equipment for Land Based Test Sites for Transmitter Upgrade Processor .

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SPQ-9B Radar (See enclosed P-40A)	P40A, P5A				40.990			4.690			16.366			4.867			0.000			4.867
BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - 1	P3A		-	-	24.793	-	-	0.000	-	-	1.870	-	-	14.910	-	-	0.000	-	-	14.910
BR040 TRANSMITTER UPGRADE FMP - 2	P3A		-	-	12.579	-	-	0.382	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT - 3	P3A		-	-	2.374	-	-	0.584	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					<b>80.736</b>			<b>5.656</b>			<b>18.236</b>			<b>19.777</b>			<b>-</b>			<b>19.777</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SPQ-9B Radar (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - 1	P3A		-	-	17.124	-	-	26.029	-	-	20.316	-	-	27.482	-	-	473.870	-	-	606.394
BR040 TRANSMITTER UPGRADE FMP - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	12.961
BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	2.958
<b>Total Gross/Weapon System Cost</b>					<b>23.471</b>			<b>31.359</b>			<b>28.618</b>			<b>35.256</b>			<b>485.113</b>			<b>728.222</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**



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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2026 - SPQ-9B Radar					Aggregated Item Name: SPQ-9B Radar									
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) BR040 AN/SPQ-9B RADAR</b>																			
† 1.1) BR040 ANTENNA	A	-	-	7.181	2,787K	1	2.787	2,668K	3	8.003	-	-	-	-	-	-	-	-	-
1.2) BR040 ANTENNA TEST STAND	A	-	-	1.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) BR040 AN/SPQ-9B RADAR				8.206			2.787			8.003			0.000			0.000			0.000
<b>2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP)</b>																			
2.1) BR042 MISCELLANEOUS ECPs	A	-	-	3.727	-	-	0.773	-	-	0.175	-	-	0.153	-	-	-	-	-	0.153
† 2.2) BR042 ANTENNA SHOCK UPGRADE KITS	A	-	-	-	525,000.00	2	1.050	520,000.00	5	2.600	-	-	-	-	-	-	-	-	-
† 2.3) BR042 DIGITAL SIGNAL PROCESSOR KITS	A	-	-	1.154	-	-	-	375,000.00	2	0.750	-	-	-	-	-	-	-	-	-
† 2.4) BR042 PDD KITS	A	-	-	-	-	-	-	665,000.00	5	3.325	665,000.00	5	3.325	-	-	-	665,000.00	5	3.325
Subtotal 2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP)				4.881			1.823			6.850			3.478			0.000			3.478
<b>3) BR830 AN/SPQ-9B PRODUCTION SUPPORT</b>																			
3.1) BR830 AN/SPQ-9B PRODUCTION SUPPORT	A	-	-	6.276	-	-	0.080	-	-	1.513	-	-	1.389	-	-	-	-	-	1.389
Subtotal 3) BR830 AN/SPQ-9B PRODUCTION SUPPORT				6.276			0.080			1.513			1.389			0.000			1.389
<b>4) BRCA1 AN/SPQ-9B RADAR COMPONENTS</b>																			
4.1) BRCA1 AN/SPQ-9B RADAR COMPONENTS	A	-	-	14.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 2 **P-1 Line Item Nomenclature:** 2026 - SPQ-9B Radar **Aggregated Item Name:** SPQ-9B Radar

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal 4) BRCA1 AN/SPQ-9B RADAR COMPONENTS</i>				14.800			0.000			0.000			0.000			0.000			0.000
<b>5) BRCA2 AN/SPQ-9B RADAR COMPONENTS</b>																			
5.1) BRCA2 AN/SPQ-9B RADAR COMPONENTS	A	-	-	6.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) BRCA2 AN/SPQ-9B RADAR COMPONENTS</i>				6.800			0.000			0.000			0.000			0.000			0.000
<b>6) WAXXX ACQUISITION WORKFORCE FUND</b>																			
6.1) WAXXX ACQUISITION WORKFORCE FUND-2009	A	-	-	0.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) WAXXX ACQUISITION WORKFORCE FUND</i>				0.027			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>40.990</b>			<b>4.690</b>			<b>16.366</b>			<b>4.867</b>			<b>0.000</b>			<b>4.867</b>

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2026 - SPQ-9B Radar										Aggregated Item Name: SPQ-9B Radar				
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) BR040 AN/SPQ-9B RADAR</b>																			
† 1.1) BR040 ANTENNA	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) BR040 ANTENNA TEST STAND	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) BR040 AN/SPQ-9B RADAR				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP)</b>																			
2.1) BR042 MISCELLANEOUS ECPs	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.2) BR042 ANTENNA SHOCK UPGRADE KITS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.3) BR042 DIGITAL SIGNAL PROCESSOR KITS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.4) BR042 PDD KITS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP)				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) BR830 AN/SPQ-9B PRODUCTION SUPPORT</b>																			
3.1) BR830 AN/SPQ-9B PRODUCTION SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) BR830 AN/SPQ-9B PRODUCTION SUPPORT				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) BRCA1 AN/SPQ-9B RADAR COMPONENTS</b>																			
4.1) BRCA1 AN/SPQ-9B RADAR COMPONENTS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 2 **P-1 Line Item Nomenclature:** 2026 - SPQ-9B Radar **Aggregated Item Name:** SPQ-9B Radar

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal 4) BRCA1 AN/SPQ-9B RADAR COMPONENTS</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) BRCA2 AN/ SPQ-9B RADAR COMPONENTS</b>																			
5.1) BRCA2 AN/ SPQ-9B RADAR COMPONENTS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) BRCA2 AN/SPQ-9B RADAR COMPONENTS</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) WAXXX ACQUISITION WORKFORCE FUND</b>																			
6.1) WAXXX ACQUISITION WORKFORCE FUND-2009	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) WAXXX ACQUISITION WORKFORCE FUND</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2				P-1 Line Item Nomenclature: 2026 - SPQ-9B Radar				Aggregated Item Name: SPQ-9B Radar				
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) BR040 AN/SPQ-9B RADAR</b>												
1.1) BR040 ANTENNA		2011	NORTHROP GRUMMAN / MELVILLE. NEW YORK	SS / FP	WASHINGTON NAVY YARD	Jul 2011	Oct 2012	1	2,787,000.00	Y		Feb 2008
1.1) BR040 ANTENNA		2012	NORTHROP GRUMMAN / MELVILLE. NEW YORK	SS / FP	WASHINGTON NAVY YARD	Mar 2012	Jun 2013	3	2,667,670.00	Y		Feb 2008
<b>2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP)</b>												
2.2) BR042 ANTENNA SHOCK UPGRADE KITS		2011	NORTHROP GRUMMAN / MELVILLE. NEW YORK	SS / FP	WASHINGTON NAVY YARD	Sep 2011	Dec 2012	2	525,000.00	Y		Feb 2008
2.2) BR042 ANTENNA SHOCK UPGRADE KITS		2012	NORTHROP GRUMMAN / MELVILLE. NEW YORK	SS / FP	WASHINGTON NAVY YARD	Mar 2012	Jun 2013	5	520,000.00	Y		Feb 2008
2.3) BR042 DIGITAL SIGNAL PROCESSOR KITS		2012	NORTHROP GRUMMAN / MELVILLE. NEW YORK	SS / FP	WASHINGTON NAVY YARD	Mar 2012	Mar 2013	2	375,000.00	Y		Feb 2008
2.4) BR042 PDD KITS		2012	NORTHROP GRUMMAN / MELVILLE. NEW YORK	SS / FP	WASHINGTON NAVY YARD	Mar 2012	Mar 2013	5	665,000.00	Y		Feb 2008
2.4) BR042 PDD KITS		2013	NORTHROP GRUMMAN / MELVILLE. NEW YORK	SS / FP	WASHINGTON NAVY YARD	Mar 2013	Mar 2014	5	665,000.00	Y		Feb 2008
<b>Remarks:</b>												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - 1

<b>Models of Systems Affected:</b> AN/SPQ-9B RADAR FMP EQUIPMENT	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	24.793	0.000	1.870	14.910	0.000	14.910	17.124	26.029	20.316	27.482	473.870	606.394
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	24.793	0.000	1.870	14.910	0.000	14.910	17.124	26.029	20.316	27.482	473.870	606.394
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>24.793</b>	<b>0.000</b>	<b>1.870</b>	<b>14.910</b>	<b>0.000</b>	<b>14.910</b>	<b>17.124</b>	<b>26.029</b>	<b>20.316</b>	<b>27.482</b>	<b>473.870</b>	<b>606.394</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[BR040 AN/SPQ-9B RADAR FMP EQUIPMENT] The AN/SPQ-9B Anti-Ship Missile Defense (ASMD) Radar is a Multimode, X-band, narrow beam, pulse Doppler radar that detects and tracks sea-skimming missiles at the horizon in heavy clutter while simultaneously providing detection and tracking of surface targets.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - 1

<b>Models of Systems Affected:</b> AN/SPQ-9B RADAR FMP EQUIPMENT	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BR040 AN/SPQ-9B RADAR FMP EQUIPMENT												
B Kits												
Recurring												
1.1.1) BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - NonOrganic <sup>(1)</sup>	2	14.093	-	-	-	-	2	12.988	-	-	2	12.988
<i>Subtotal Recurring</i>		14.093		0.000		0.000		12.988		0.000		12.988
<i>Total, BR040 AN/SPQ-9B RADAR FMP EQUIPMENT</i>	2	14.093	-	-	-	-	2	12.988	-	-	2	12.988
<i>Total, All Modifications</i>		14.093		0.000		0.000		12.988		0.000		12.988
<i>Procurement Cost (Procurement + Support)</i>		14.093		0.000		0.000		12.988		0.000		12.988
<i>Total Installation Cost</i>		10.700		0.000		1.870		1.922		0.000		1.922
<b>Total Cost (Procurement + Support + Installation)</b>		24.793		0.000		1.870		14.910		0.000		14.910

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BR040 AN/SPQ-9B RADAR FMP EQUIPMENT												
B Kits												
Recurring												
1.1.1) BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - NonOrganic <sup>(1)</sup>	2	13.222	3	20.100	2	13.628	3	20.718	60	374.770	74	469.519
<i>Subtotal Recurring</i>		13.222		20.100		13.628		20.718		374.770		469.519
<i>Total, BR040 AN/SPQ-9B RADAR FMP EQUIPMENT</i>	2	13.222	3	20.100	2	13.628	3	20.718	60	374.770	74	469.519
<i>Total, All Modifications</i>		13.222		20.100		13.628		20.718		374.770		469.519
<i>Procurement Cost (Procurement + Support)</i>		13.222		20.100		13.628		20.718		374.770		469.519
<i>Total Installation Cost</i>		3.902		5.929		6.688		6.764		99.100		136.875
<b>Total Cost (Procurement + Support + Installation)</b>		17.124		26.029		20.316		27.482		473.870		606.394

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - 1

<b>Models of Systems Affected:</b> AN/SPQ-9B RADAR FMP EQUIPMENT	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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**Remarks:**  
<sup>(1)</sup>Prior to FY03, SPQ-9B was funded under the Mk 86 program (BLI 5110). When BLI 2026 was established, only the install funding for the prior procurements under 5110 was transferred to this BLI. Non-FMP systems are not included in this installation schedule. FY08 asset procured for use in the DDG program with Congressional Plus-Up Funding and no corresponding installation dollars will now be used for LHD 1 installation.

<b>Manufacturer Information: BR040 AN/SPQ-9B RADAR FMP EQUIPMENT</b>	
Manufacturer Name: NORTHROP GRUMMAN	Manufacturer Location: MELVILLE, NY
Administrative Leadtime ( <i>in Months</i> ): 5	Production Leadtime ( <i>in Months</i> ): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Mar 2013				
Delivery Dates			Sep 2014				

<b>Installation:</b> BR040 AN/SPQ-9B RADAR FMP EQUIPMENT	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> BR040 AN/SPQ-9B RADAR FMP EQUIPMENT
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	6	10.700	-	-	0	1.870	1	0.600	0	0.000	1	0.600
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	0	1.322	0	0.000	0	1.322
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>6</b>	<b>10.700</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>1.870</b>	<b>1</b>	<b>1.922</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>1.922</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	7	13.170
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - 1
<b>Models of Systems Affected:</b> AN/SPQ-9B RADAR FMP EQUIPMENT	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N

<b>Installation:</b> BR040 AN/SPQ-9B RADAR FMP EQUIPMENT	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> BR040 AN/SPQ-9B RADAR FMP EQUIPMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	0	2.600	2	1.300	-	-	-	-	-	-	2	5.222
FY 2014	0	1.302	0	2.600	2	1.300	-	-	-	-	2	5.202
FY 2015	-	-	0	2.029	0	4.000	3	2.000	-	-	3	8.029
FY 2016	-	-	-	-	0	1.388	0	2.800	2	1.400	2	5.588
FY 2017	-	-	-	-	-	-	0	1.964	3	6.200	3	8.164
To Complete	-	-	-	-	-	-	-	-	60	91.500	60	91.500
<b>Total</b>	<b>0</b>	<b>3.902</b>	<b>2</b>	<b>5.929</b>	<b>2</b>	<b>6.688</b>	<b>3</b>	<b>6.764</b>	<b>65</b>	<b>99.100</b>	<b>79</b>	<b>136.875</b>

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	6	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-	-	-	2	-	-	-	3	-	65	79
Out	6	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	2	-	-	-	3	-	65	79

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> BR040 TRANSMITTER UPGRADE FMP - 2

<b>Models of Systems Affected:</b> TRANSMITTER UPGRADE FMP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	12.579	0.382	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.961
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	12.579	0.382	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.961
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	12.579	0.382	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.961

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[BR040 TRANSMITTER UPGRADE FMP] Provide funding for installations of AN/SPQ-9B Transmitter Upgrades on LPD 17.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 TRANSMITTER UPGRADE FMP - 2

<b>Models of Systems Affected:</b> TRANSMITTER UPGRADE FMP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BR040 TRANSMITTER UPGRADE FMP												
B Kits												
Recurring												
1.1.1) BR040 TRANSMITTER UPGRADE FMP - NonOrganic	9	10.679	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		10.679		0.000		0.000		0.000		0.000		0.000
<i>Total, BR040 TRANSMITTER UPGRADE FMP</i>	9	10.679	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		10.679		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		10.679		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		1.900		0.382		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>12.579</b>		<b>0.382</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BR040 TRANSMITTER UPGRADE FMP												
B Kits												
Recurring												
1.1.1) BR040 TRANSMITTER UPGRADE FMP - NonOrganic	-	-	-	-	-	-	-	-	-	-	9	10.679
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		10.679
<i>Total, BR040 TRANSMITTER UPGRADE FMP</i>	-	-	-	-	-	-	-	-	-	-	9	10.679
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		10.679
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		10.679
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		2.282
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>12.961</b>

Remarks:

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 TRANSMITTER UPGRADE FMP - 2

<b>Models of Systems Affected:</b> TRANSMITTER UPGRADE FMP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Manufacturer Information: BR040 TRANSMITTER UPGRADE FMP</b>							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime ( <i>in Months</i> ):				Production Leadtime ( <i>in Months</i> ):			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

<b>Installation:</b> BR040 TRANSMITTER UPGRADE FMP	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> BR040 TRANSMITTER UPGRADE FMP
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	8	1.900	1	0.382	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	8	1.900	1	0.382	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	9	2.282
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 TRANSMITTER UPGRADE FMP - 2
<b>Models of Systems Affected:</b> TRANSMITTER UPGRADE FMP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N

<b>Installation:</b> BR040 TRANSMITTER UPGRADE FMP		<b>Method of Implementation:</b> [none specified]				<b>Installation Name:</b> BR040 TRANSMITTER UPGRADE FMP						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	9	2.282

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Out	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT - 3

<b>Models of Systems Affected:</b> TRANSMITTER UPGRADE NON-FMP EQUIPMENT	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.374	0.584	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.958
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.374	0.584	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.958
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2.374</b>	<b>0.584</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2.958</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT] FY11 Transmitter Upgrade Processor installations at Surface Warfare Engineering Facility (SWEF) and Combat Systems Engineering Development Site (CSEDS) (both non-FMP).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT - 3

<b>Models of Systems Affected:</b> TRANSMITTER UPGRADE NON-FMP EQUIPMENT	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT												
B Kits												
Recurring												
1.1.1) BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT - NonOrganic	2	2.374	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		2.374		0.000		0.000		0.000		0.000		0.000
<i>Total, BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT</i>	2	2.374	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		2.374		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		2.374		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.584		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>2.374</b>		<b>0.584</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT												
B Kits												
Recurring												
1.1.1) BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT - NonOrganic	-	-	-	-	-	-	-	-	-	-	2	2.374
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		2.374
<i>Total, BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT</i>	-	-	-	-	-	-	-	-	-	-	2	2.374
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		2.374
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		2.374
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.584
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>2.958</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT - 3

<b>Models of Systems Affected:</b> TRANSMITTER UPGRADE NON-FMP EQUIPMENT	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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**Remarks:**  
**Manufacturer Information:** BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT

Manufacturer Name: Manufacturer Name Not Provided.      Manufacturer Location: Manufacturer Location Not Provided.

Administrative Leadtime (*in Months*):      Production Leadtime (*in Months*):

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
<b>Dates</b>							
Contract Dates							
Delivery Dates							

<b>Installation:</b> BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	2	0.584	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	2	0.584	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	2	0.584
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2026 - SPQ-9B Radar	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT - 3

<b>Models of Systems Affected:</b> TRANSMITTER UPGRADE NON-FMP EQUIPMENT	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	2	0.584

Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 2 : Ship Sonars

**P-1 Line Item Nomenclature:**  
 2136 - AN/SQQ-89 Surf ASW Cmbt Sys

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0205620N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,278.392	89.157	71.771	89.201	-	89.201	109.260	81.746	120.892	102.277	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,278.392	89.157	71.771	89.201	-	89.201	109.260	81.746	120.892	102.277	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,278.392	89.157	71.771	89.201	-	89.201	109.260	81.746	120.892	102.277	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	1.207	3.375	2.522	-	2.522	1.339	1.425	1.042	0.635	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The 'Vision for Anti-Submarine Warfare (ASW) Superiority' provides a foundation on which to base the operational principles and force attributes needed to prevail against future adversary submarines. Fully aligned with 'A Cooperative Strategy for 21st Century Seapower', it is intended to establish a consistent sense of urgency, and guide the development of a comprehensive long-term strategy and attendant execution plans to achieve and sustain a strategic and operational advantage, and maximize the potential for tactical advantage in future operationally-relevant environments. Our nation and maritime forces face an evolving submarine threat of increasing lethality. Evolving submarine technologies offer enhanced stealth, speed, endurance, weapons and operational proficiency, trends foretelling that the adversary submarine of the future will have a significantly larger sphere of influence, while presenting less vulnerability to ASW forces. The effective offensive engagement range of the adversary submarine of the future will continue to match or outrange individual U.S. and multinational platform sensors and weapons in many tactical environments. Submarines are an increasing threat to all Naval and Allied ships, particularly modern diesel subs and faster torpedoes. Not only can the presence of potential hostile submarines delay naval combatant action until they are located and neutralized, submarines can also disrupt all seaborne logistics supply for any ground campaign as well as maritime commerce. ASW forces must be effective in all operating environments, ranging from the deep open ocean to the littorals.

The AN/SQQ-89(V) Surface Ship ASW Combat System provides integrated Undersea Warfare (USW) combat management, fire control, command and control, and on-board training to enable surface combatants to engage USW targets in both open ocean and littoral environments. The AN/SQQ-89(V) is a system comprised of many subsystems, which integrate the helo and its sensors, the ship's own organic sensors, weapons, torpedo detection, and a high fidelity Surface ASW Synthetic Trainer (SAST). The AN/SQQ-89(V) was established as an Acquisition Category (ACAT) I acquisition program in 1983 and re-designated an ACAT IC program in 1990. In 1998, the AN/SQQ-89(V) program was deemed to be 90% complete and removed from the Major Defense Acquisition Program (MDAP) list.

Variants of the AN/SQQ-89(V) are currently in operation on practically all in-service CG47, DDG51, and FFG7 Class Surface Combatants. The AN/SQQ-89(V) is also programmed for all in-line, new construction DDG51 Class ships under Shipbuilding and Conversion, Navy (SC,N) Budget Line Item (BLI) 2122, while a separate AN/SQQ-90 version is programmed for all in-line, new construction DDG1000 Class ships under SC,N BLI 2119.

**AN/SQQ-89A(V)15 Surface Ship USW Combat System Upgrade - Detailed Description:**

A major upgrade to the AN/SQQ-89(V) legacy system, the AN/SQQ-89A(V)15 upgrade significantly decreases ship vulnerability to torpedo attack, improves surface ship USW shallow water warfighting capability in the littoral, and mitigates Commercial-Off-The-Shelf (COTS) obsolescence and supportability issues. The AN/SQQ-89A(V)15 upgrade was reported as a critical need for surface ASW operations by SECNAV. A Fleet Forces Command (FFC) Urgent Operational Need (UON) report identified the Fleet need for AN/SQQ-89A(V)15 upgrades. The need for the AN/SQQ-89A(V)15 is also articulated in the U.S. Pacific Command (PACOM) Integrated Priorities List (IPL); in an Office of the Chief of Naval Operations (OPNAV) funding priorities letter; in a 7th Fleet Bottom Up review report; and in the U.S. Fleet Forces ASW Integrated Priorities Capability List (IPCL).

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars		<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0205620N
<p>The AN/SQQ-89A(V)15 upgrade is programmed for backfit on: Select, remaining, CG47 Class Baseline 3 and 4 (CG59-73) ships via OP,N BLI 0960 (Cruiser Modernization), DDG51 Class Flight I/II (DDG51-78) ships via OP,N BLI 0900 (DDG Modernization), and DDG51 Class Flight IIA (DDG79-118) ships via OP,N BLI 2136 (represented here).</p> <p>The AN/SQQ-89A(V)15 upgrade, developed under RDT&amp;E,N PE 0205620N, capitalizes on previously fielded AN/SQQ-89(V)15 systems. The AN/SQQ-89A(V)15 will reconstitute onto DDG51 Class Flight IIA ships (Initial Operational Capability (IOC) 4Q2009) a tactical towed array sensor, the Multi-Function Towed Array (MFTA), and will replace standard, militarized, legacy components with Commercial-Off-The-Shelf (COTS) hardware to provide an ASW combat system with the capability for mid-frequency bistatic and multi-static sonar operations. The AN/SQQ-89A(V)15 features a mid-frequency bistatic hull/towed Sonar Echo Tracker Classifier (ETC); hull/towed Sonar with Acoustic Intercept (ACI) fused data for significantly improved torpedo defense; Handling &amp; Stowage Group (H&amp;SG) for MFTA operation; Torpedo Setting Panel (TSP); passive towed array processing; common sub/surface sensor performance and prediction; common NAVAIR/Surface Light Airborne Multi-Purpose System (LAMPS) processing; portable software; integrated supportability; and on-board training via the SAST. The AN/SQQ-89A(V)15 will be interoperable with AEGIS Weapons System (AWS) baselines; is Open Architecture (OA) compliant (meeting OA Level 3 requirements); provides significant reductions in weight, space, cooling, and power requirements over legacy AN/SQQ-89(V) systems; is Grade A shock qualified; supports Digital Fire Control Integration (DFCI) capability; and is integrated with the Battle Force Tactical Trainer (BFTT). To be effective against increasingly stealthy threats in an often ambiguous undersea environment, future sensors must be environmentally adaptive, have very low false alarm rates, and exploit the full range of current and future submarine detection vulnerabilities. Via the Advanced Capability Build (ACB) spiral development process under RDT&amp;E,N PE 0205620N (ACB-09, ACB-11, ACB-13, etc.), these types of maturing/proven USW technologies will be folded into the AN/SQQ-89A(V)15 production and future technology refresh programs.</p> <p>The majority of the AN/SQQ-89A(V)15 system equipment is procured via the prime vendor (currently Lockheed Martin, NY, with subcontract to Advanced Acoustic Concepts (AAC), NY and PA), while other Contractor Furnished Equipment (CFE), such as that for the Multi-Function Towed Array (MFTA), OK-410 Handling &amp; Stowage Group (H&amp;SG), Static Automated Bus Transfer System (SABTS), Torpedo Setting Panel (TSP), Calibrated Reference Hydrophone (CRH) Junction Box, On Board Repair Parts (OBRP), Maintenance Assist Modules (MAMS), Installation Checkout (INCO) Spares, and Special Tools and Test Equipment (STTE), is procured via other, separate, contract/funding vehicles.</p> <p>An average, aggregate AN/SQQ-89A(V)15 shipset unit cost is indicated on the applicable budget exhibits, however, it should be noted that this unit cost is comprised of multiple contract/funding vehicles as mentioned above. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship.</p> <p>AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.</p> <p>[P40A / DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15]: DB400 Cost Elements/Descriptions as Follows:</p> <p>[P40A / SYSTEM UPDATES (NON RECURRING ENGINEERING)]: Consists of the NRE efforts associated with the technology refresh/replacement of legacy AN/SQQ-89(V) equipment with updated Commercial-Off-The-Shelf (COTS) processors, including material procurement, fabrication, and integration of Government Furnished Property (GFP), as performed by the prime contractor. Hardware reviews will be conducted on an annual basis to determine if hardware changes are warranted based on Commercial-Off-The-Shelf (COTS) obsolescence and to identify applicable state-of-the-practice hardware components. This line also includes start-up/transition funding required for the AN/SQQ-89(V) prime in the first year of a new production/design agent contract.</p> <p>[P40A / MFTA (MULTI-FUNCTION TOWED ARRAY) MAJOR EQUIPMENT]: Procurement of MFTA equipment in support of the following: full retrofit on DDG51 Class ships that currently employ pre-production shipset versions; and full module sets required for expeditious replacement in the event of major damage (the MFTA component is considered a principle item). The MFTA is a key component of the AN/SQQ-89A(V)15 upgrade on Surface Combatants and enables ships to have active bi-statics, Continuous Active Sonar (CAS), adaptive beamforming, passive bellringers, and the use of new sensors for advanced torpedo detection.</p>		

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars		<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0205620N
<p>[P40A / SAST (SURFACE ASW SYNTHETIC TRAINER) BACKFIT]: Upgrade of DDG51 Class ships that employ the pre-SAST AN/SQQ-89A(V)15 Advanced Capability Build ACB-09 baseline. The SAST provides a realistic, physics based, high fidelity trainer that will be used both for in-port and at-sea operator training. The SAST is integrated into the AN/SQQ-89A(V)15 and will provide the interface for future upgrades that will include integrated training through the Battleforce Tactical Trainer (BFTT).</p> <p>[P40A / CSSQT (COMBAT SYSTEMS SHIP QUALIFICATION TRIALS)]: Consists of a series of at-sea exercises and tests to verify/certify the AN/SQQ-89A(V)15 has been installed properly and can be operated and maintained safely and effectively. CSSQTs follow every AN/SQQ-89A(V)15 installation.</p> <p>[P40A / FOT&amp;E (FOLLOW-ON OPERATIONAL TEST &amp; EVALUATION)]: Represents the final at-sea test of each new, incremental AN/SQQ-89A(V)15 ACB production baseline (i.e. ACB-09, ACB-11, ACB-13, etc.), conducted to ensure it meets operational effectiveness and suitability thresholds, and meets readiness and performance goals.</p> <p>[P40A / EC'S (ENGINEERING CHANGES)]: Consists of Engineering Change Proposals (ECPs) and hardware/software changes/upgrades to the in-production AN/SQQ-89A(V)15 system. Funding will be used to support non-recurring first article test efforts associated with the changing COTS environment as well as Reliability, Maintainability, and Availability (RM&amp;A) modifications requested by the Fleet; correct deficiencies identified through Fleet use; upgrade unreliable components; and replace obsolete components.</p> <p>[P40A / DB600 - ILS/TRAINER SYSTEM COMPONENTS - SQQ-89A(V)15]: DB600 Cost Elements/Descriptions as Follows:</p> <p>[P40A / ILS (INTEGRATED LOGISTICS SUPPORT)]: Funding is provided for all ILS planning and coordination elements associated with each and every AN/SQQ-89A(V)15 modification/procurement/ installation, including: configuration management and control of the hardware and software associated with each modification such as Maintenance and Material Management (3M); planned and corrective maintenance procedures and drawings; supporting the procurement of upgrades to Technical Training Equipment (TTE) for shore training sites; changes to maintenance concepts and associated updates to technical documentation, such as technical manuals; development of revisions to both operator and maintenance training materials as part of the initial training curriculum development; revisions to the Navy Training System Plan; initial conduct of instructor training (train-the-trainer) until such time that the training community assumes the responsibility; modifications to supply support related provisioning data and identification of related changes to Allowance Parts Lists (APLs) and Program Support Data (PSD) spares procurement lists; and Packaging, Handling, Storage and Transportation (PHST) support during the procurement, Installation and Checkout (INCO), and testing stages of the AN/SQQ-89A(V)15 to meet evolving capabilities.</p> <p>[P40A / FLTASWTRACEN (FLEET ASW TRAINING CENTER)]: Procurement of AN/SQQ-89A(V)15 training equipment for the Fleet ASW Training Center, San Diego, CA. Training system improvements are a critical factor in achieving warfighter competencies and mission readiness. Equipment must be upgraded periodically to ensure continued support of the latest backfit Advanced Capability Build (ACB) and AEGIS Weapon System (AWS) baselines and to implement Fleet prioritized warfighting training improvements to meet evolving capabilities.</p> <p>[P40A / DB700 - SHORE SITE SYSTEM COMPONENTS - SQQ-89A(V)15]: DB700 Cost Elements/Descriptions as Follows:</p> <p>[P40A / AIE (AEGIS INTEGRATION EVENTS)]: Recurring engineering services associated with AN/SQQ-89A(V)15 equipment at the ACSC Wallops Island, VA test facility for interoperability risk reduction analysis purposes, necessary to ensure system compatibility with respective AWS baselines prior to installation.</p> <p>[P40A / SSES (SURFACE SHIP ENGINEERING SITE)]: Procurement of AN/SQQ-89A(V)15 equipment for land based sites including the SSES at Syracuse, NY to support production system integration and interoperability testing. Equipment includes simulation hardware, test tools, fabrication and test of mod kits (hardware and operational software), and laboratory equipment. Equipment must be upgraded periodically to ensure continued support of the latest backfit Advanced Capability Build (ACB) and AEGIS Weapon System (AWS) baselines.</p> <p>[P40A / ACSC (AEGIS COMBAT SYSTEMS CENTER)]: Procurement of AN/SQQ-89A(V)15 equipment for land based sites including the ACSC at Wallops Island, VA, to support production system integration and interoperability testing. Equipment includes simulation hardware, test tools, fabrication and test of mod kits (hardware and operational software), and laboratory equipment. Equipment must be upgraded periodically to ensure continued support of the latest backfit Advanced Capability Build (ACB) and AEGIS Weapon System (AWS) baselines.</p> <p>[P40A / DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15]: DB830 Cost Element/Description as Follows:</p>		

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<b>Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy</b>		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars		<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0205620N
<p>[P40A / PRODUCTION ENGINEERING]: Funding is for AN/SQQ-89A(V)15 program In-Service Engineering Agent (ISEA), Software Support Activity (SSA), Acquisition Engineering Agent (AEA), and Technical Design Agent (TDA) efforts in performing the following functions: writing of contracts; review and evaluation of production design data, documentation and Contract Data Requirements Lists (CDRLs); letting of production contract awards; on-site engineering support at the prime integrator's facility; production configuration control and quality assurance (Production Inspection Test (PIT) and Production Reliability Acceptance Test (PRAT)); witnessing of segment/system integration tests and preparation of reports; conduct of first article and factory acceptance tests; collection of performance metrics; generation/assessment of Software Problem Reports (SPRs) and coordination with vendors; value and maintenance engineering; coordination with AEGIS regarding interface definition and ship integration; support safety review and AEGIS Integration Events (AIE); provide plans, procedures and inputs to support Information Assurance (IA) mandates; provide status reports and technical briefings; support meetings with program office; and all other production support efforts directly related to delivery of AN/SQQ-89A(V)15 software and hardware.</p> <p>[P40A / DB900 - CONSULTING SERVICES - SQQ-89A(V)15]: DB900 Cost Element/Description as Follows:</p> <p>[P40A / CONSULTING SERVICES]: Funding to provide assistance in the following areas: program and financial management; system specification validation; production planning; business case and market analyses; vendor cost, schedule, performance, production, and contract deliverable monitoring; installation planning and coordination; Integrated Logistics Support (ILS) asset management, planning, documentation, and coordination; and evaluation of Engineering Change Proposals (ECPs).</p> <p>[P40A / DB984 - SYSTEM TECHNICAL SUPPORT - SIPS]: DB984 Cost Element/Description as Follows:</p> <p>[P40A / SIPS (SCALED IMPROVED PERFORMANCE SONAR)]: Funding is for the technical support of adjunct SIPS system hardware, upgrade of software to incorporate the latest functions and enhancements, and COTS obsolescence resolution/replacement. The SIPS adjunct upgrade on CG47 and DDG51 class ships provide quick, affordable, and measurable near-term active and passive performance enhancements to the existing, legacy AN/SQQ-89(V) Surface USW Combat System (before the major AN/SQQ-89A(V)15 upgrade is fielded). Active and passive improvements include critical improvements to torpedo defense warfighting capabilities (classification and alertment); reduction in high false contact rates and clutter thereby improving USW ability to correctly classify torpedoes; active improvements in operator/tactical employment proficiency; new active waveforms to improve littoral capability; and passive improvements in signal processing.</p> <p>[P3A / AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE]: DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment for subsequent installation on DDG79-112 Flight IIA ships. An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade, the ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.</p> <p>[P3A / AN/SQQ-89A(V)15 - IPS REPLACEMENT]: DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment (in FY10) to replace the one-of-a-kind adjunct IPS sonar suite for subsequent installation (in FY12) on DDG60 (USS PAUL HAMILTON). An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade on board DDG60 (USS PAUL HAMILTON), ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.</p> <p>[P3A / AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE]: DB400 PROCUREMENT: Procurement of a subset of AN/SQQ-89A(V)15 equipment, specifically the Multi-Function Towed Array (MFTA) and Handling &amp; Stowage Group (H&amp;SG), for subsequent installation on DDG113-118 Flight IIA ships during their Post Shakedown Availability (PSA) period to upgrade the ASW sonar suite from an AN/SQQ-89(V)15 configuration to the AN/SQQ-89A(V)15 configuration. DB6IN INSTALLATION: Funding is for the physical installation of the H&amp;SG and MFTA on DDG113-118 Flight IIA ships during their PSA period.</p> <p>[P3A / AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH]: DB400 PROCUREMENT: Procurement of software/hardware technology upgrades for all surface combatant platforms with a previously fielded AN/SQQ-89A(V)15, as necessary to continue to pace the threat and ensure the system remains effective well into the 21st century. DB6IN INSTALLATION: Funding is for the physical installation of periodic software/hardware technology upgrades for all surface combatant platforms with a previously fielded AN/SQQ-89A(V)15.</p>		

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 2 : Ship Sonars

**P-1 Line Item Nomenclature:**  
 2136 - AN/SQQ-89 Surf ASW Cmbt Sys

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0205620N

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM (See enclosed P-40A)	P40A, P5A				1,124.163			33.919			30.105			32.120			0.000			32.120
AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - 1	P3A		-	-	145.731	-	-	54.246	-	-	38.208	-	-	51.952	-	-	0.000	-	-	51.952
AN/SQQ-89A(V)15 - IPS REPLACEMENT - 2	P3A		-	-	8.498	-	-	0.992	-	-	3.458	-	-	0.000	-	-	0.000	-	-	0.000
AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	5.129	-	-	0.000	-	-	5.129
AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/ REFRESH - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					<b>1,278.392</b>			<b>89.157</b>			<b>71.771</b>			<b>89.201</b>			<b>-</b>			<b>89.201</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - 1	P3A		-	-	61.903	-	-	51.402	-	-	47.200	-	-	17.334	-	-	10.310	-	-	478.286
AN/SQQ-89A(V)15 - IPS REPLACEMENT - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	12.948
AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE - 3	P3A		-	-	10.432	-	-	6.085	-	-	11.986	-	-	0.778	-	-	1.648	-	-	36.058
AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/ REFRESH - 4	P3A		-	-	0.000	-	-	0.000	-	-	33.291	-	-	60.116	-	-	11.539	-	-	104.946
<b>Total Gross/Weapon System Cost</b>					<b>109.260</b>			<b>81.746</b>			<b>120.892</b>			<b>102.277</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars		<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0205620N
<p>The OP,N BLI 2136 budget primarily supports the upgrade of legacy, in-service AN/SQQ-89(V) systems to the superior AN/SQQ-89A(V)15 USW Combat System baseline, as well as the fielding of other, near-term adjunct ASW warfighting improvements on surface combatants, such as the Scaled Improved Performance Sonar (SIPS). Additionally, the OP,N BLI 2136 budget will be responsible for periodic technology refresh initiatives (Pre-Planned Product Improvements (P3I)) in conjunction with previously fielded AN/SQQ-89A(V)15 systems across all CG47 and DDG51 Class platforms (software/hardware technology upgrades/insertions) to pace the threat and remain effective well into the 21st century.</p>		



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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2136 - AN/SQQ-89 Surf ASW Cmbt Sys					Aggregated Item Name: AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM									
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15</b>																			
1.1) SYSTEM UPDATES (NON RECURRING ENGINEERING)	A	-	-	3.746	-	-	2.487	-	-	2.493	-	-	2.298	-	-	-	-	-	2.298
† 1.2) MFTA (MULTI-FUNCTION TOWED ARRAY) MAJOR EQUIPMENT	A	-	-	-	2,200K	2	4.400	-	-	-	2,276K	2	4.551	-	-	-	2,276K	2	4.551
1.3) SAST (SURFACE ASW SYNTHETIC TRAINER) BACKFIT	A	-	-	-	-	-	-	-	-	-	-	-	1.311	-	-	-	-	-	1.311
1.4) CSSQT (COMBAT SYSTEMS SHIP QUALIFICATION TRIALS)	A	-	-	4.147	-	-	6.185	-	-	3.035	-	-	2.961	-	-	-	-	-	2.961
1.5) FOT&E (FOLLOW-ON OPERATIONAL TEST & EVALUATION)	A	-	-	-	-	-	1.314	-	-	-	-	-	1.667	-	-	-	-	-	1.667
1.6) EC'S (ENGINEERING CHANGES)	A	-	-	1,057.760	-	-	1.411	-	-	2.723	-	-	2.597	-	-	-	-	-	2.597
<i>Subtotal 1)</i> DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15				1,065.653			15.797			8.251			15.385			0.000			15.385
<b>2) DB600 - ILS/ TRAINER SYSTEM COMPONENTS - SQQ-89A(V)15</b>																			
2.1) ILS (INTEGRATED LOGISTICS SUPPORT)	A	-	-	11.499	-	-	6.383	-	-	6.511	-	-	5.796	-	-	-	-	-	5.796
2.2) FLTASWTRACEN (FLEET ASW	A	-	-	1.561	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2136 - AN/SQQ-89 Surf ASW Cmbt Sys									Aggregated Item Name: AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TRAINING CENTER)																			
Subtotal 2) DB600 - ILS/ TRAINER SYSTEM COMPONENTS - SQQ-89A(V)15				13.060			6.383			6.511			5.796			0.000			5.796
<b>3) DB700 - SHORE SITE SYSTEM COMPONENTS - SQQ-89A(V)15</b>																			
3.1) AIE (AEGIS INTEGRATION EVENTS)	A	-	-	5.787	-	-	3.502	-	-	3.570	-	-	3.641	-	-	-	-	-	3.641
3.2) SSES (SURFACE SHIP ENGINEERING SITE)	A	-	-	2.725	-	-	-	-	-	3.020	-	-	-	-	-	-	-	-	-
3.3) ACSC (AEGIS COMBAT SYSTEMS CENTER)	A	-	-	-	-	-	-	-	-	0.662	-	-	-	-	-	-	-	-	-
Subtotal 3) DB700 - SHORE SITE SYSTEM COMPONENTS - SQQ-89A(V)15				8.512			3.502			7.252			3.641			0.000			3.641
<b>4) DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15</b>																			
4.1) PRODUCTION ENGINEERING	A	-	-	22.102	-	-	4.584	-	-	4.653	-	-	4.606	-	-	-	-	-	4.606
Subtotal 4) DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15				22.102			4.584			4.653			4.606			0.000			4.606
<b>5) DB900 - CONSULTING SERVICES - SQQ-89A(V)15</b>																			
5.1) CONSULTING SERVICES	A	-	-	7.689	-	-	2.262	-	-	2.222	-	-	1.672	-	-	-	-	-	1.672
Subtotal 5) DB900 - CONSULTING				7.689			2.262			2.222			1.672			0.000			1.672

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy															<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2							<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys								<b>Aggregated Item Name:</b> AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM				

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SERVICES - SQQ-89A(V)15																			
<b>6) DB984 - SYSTEM TECHNICAL SUPPORT - SIPS</b>																			
6.1) SIPS (SCALED IMPROVED PERFORMANCE SONAR)	A	-	-	7.147	-	-	1.391	-	-	1.216	-	-	1.020	-	-	-	-	-	1.020
Subtotal 6) DB984 - SYSTEM TECHNICAL SUPPORT - SIPS				7.147			1.391			1.216			1.020			0.000			1.020
<b>Total</b>				<b>1,124.163</b>			<b>33.919</b>			<b>30.105</b>			<b>32.120</b>			<b>0.000</b>			<b>32.120</b>

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy														<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2							<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys							<b>Aggregated Item Name:</b> AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM					

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15</b>																			
1.1) SYSTEM UPDATES (NON RECURRING ENGINEERING)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.2) MFTA (MULTI-FUNCTION TOWED ARRAY) MAJOR EQUIPMENT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) SAST (SURFACE ASW SYNTHETIC TRAINER) BACKFIT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) CSSQT (COMBAT SYSTEMS SHIP QUALIFICATION TRIALS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) FOT&E (FOLLOW-ON OPERATIONAL TEST & EVALUATION)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) EC'S (ENGINEERING CHANGES)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1)</i> DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) DB600 - ILS/ TRAINER SYSTEM COMPONENTS - SQQ-89A(V)15</b>																			
2.1) ILS (INTEGRATED LOGISTICS SUPPORT)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) FLTASWTRACEN (FLEET ASW	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2136 - AN/SQQ-89 Surf ASW Cmbt Sys									Aggregated Item Name: AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM					
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TRAINING CENTER)																			
Subtotal 2) DB600 - ILS/ TRAINER SYSTEM COMPONENTS - SQQ-89A(V)15				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) DB700 - SHORE SITE SYSTEM COMPONENTS - SQQ-89A(V)15</b>																			
3.1) AIE (AEGIS INTEGRATION EVENTS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) SSES (SURFACE SHIP ENGINEERING SITE)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) ACSC (AEGIS COMBAT SYSTEMS CENTER)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) DB700 - SHORE SITE SYSTEM COMPONENTS - SQQ-89A(V)15				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15</b>																			
4.1) PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) DB900 - CONSULTING SERVICES - SQQ-89A(V)15</b>																			
5.1) CONSULTING SERVICES	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 5) DB900 - CONSULTING				0.000			0.000			0.000			0.000			0.000			0.000

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy													<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2						<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys						<b>Aggregated Item Name:</b> AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM						

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SERVICES - SQQ-89A(V)15																			
<b>6) DB984 - SYSTEM TECHNICAL SUPPORT - SIPS</b>																			
6.1) SIPS (SCALED IMPROVED PERFORMANCE SONAR)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 6) DB984 - SYSTEM TECHNICAL SUPPORT - SIPS				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

Remarks:

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<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2013 Navy										<b>Date:</b> February 2012		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2				<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys						<b>Aggregated Item Name:</b> AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM		
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty</b> <small>(Each)</small>	<b>Unit Cost</b> <small>(\$)</small>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
<b>1) DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15</b>												
1.2) MFTA (MULTI-FUNCTION TOWED ARRAY) MAJOR EQUIPMENT <sup>(1)</sup>		2011	Lockheed Martin / Syracuse, NY	C / FP	NAVSEA	Feb 2012	Aug 2013	2	2,200,000.00	Y		May 2007
1.2) MFTA (MULTI-FUNCTION TOWED ARRAY) MAJOR EQUIPMENT		2013	Lockheed Martin / Syracuse, NY	C / FP	NAVSEA	Jan 2013	Jul 2014	2	2,275,500.00	Y		May 2007
<b>Remarks:</b> <sup>(1)</sup> Funds received via 2011 DoD Omnibus reprogramming action to 'Support the procurement of Multi-Function Towed Array (MFTA) systems'. Funds released for execution Nov-2011.												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> (Modification Title, Modification Number): AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - 1

<b>Models of Systems Affected:</b> Upgrade of legacy AN/SQQ-89(V) USW Combat Systems on DDG79-112 to AN/SQQ-89A(V)15 Configuration	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	145.731	54.246	38.208	51.952	0.000	51.952	61.903	51.402	47.200	17.334	10.310	478.286
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	145.731	54.246	38.208	51.952	0.000	51.952	61.903	51.402	47.200	17.334	10.310	478.286
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	145.731	54.246	38.208	51.952	0.000	51.952	61.903	51.402	47.200	17.334	10.310	478.286
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE] DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment for subsequent installation on DDG79-112 Flight IIA ships. An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade, the ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.

The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities, hull access cuts, and installation of the Handling & Stowage Gear (H&SG) on non-tailed (i.e. no towed array) DDG51 Class Flight IIA hulls, which is required for the operation of the new tactical towed sonar, the Multi-Function Towed Array (MFTA).

AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> (Modification Title, Modification Number): AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - 1

<b>Models of Systems Affected:</b> Upgrade of legacy AN/SQQ-89(V) USW Combat Systems on DDG79-112 to AN/SQQ-89A(V)15 Configuration	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE												
B Kits												
Recurring												
1.1 AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - NonOrganic <sup>(2)</sup>	14	118.025	3	25.550	3	25.958	4	34.789	-	-	4	34.789
<i>Subtotal Recurring</i>		118.025		25.550		25.958		34.789		0.000		34.789
<i>Total, AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE</i>	14	118.025	3	25.550	3	25.958	4	34.789	-	-	4	34.789
<i>Total, All Modifications</i>		118.025		25.550		25.958		34.789		0.000		34.789
<i>Procurement Cost (Procurement + Support)</i>		118.025		25.550		25.958		34.789		0.000		34.789
<i>Total Installation Cost</i>		27.706		28.696		12.250		17.163		0.000		17.163
<b>Total Cost (Procurement + Support + Installation)</b>		145.731		54.246		38.208		51.952		0.000		51.952

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE												
B Kits												
Recurring												
1.1 AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - NonOrganic <sup>(2)</sup>	5	43.545	3	26.796	2	19.108	-	-	-	-	34	293.771
<i>Subtotal Recurring</i>		43.545		26.796		19.108		0.000		0.000		293.771
<i>Total, AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE</i>	5	43.545	3	26.796	2	19.108	-	-	-	-	34	293.771
<i>Total, All Modifications</i>		43.545		26.796		19.108		0.000		0.000		293.771
<i>Procurement Cost (Procurement + Support)</i>		43.545		26.796		19.108		0.000		0.000		293.771
<i>Total Installation Cost</i>		18.358		24.606		28.092		17.334		10.310		184.515

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - 1

<b>Models of Systems Affected:</b> Upgrade of legacy AN/SQQ-89(V) USW Combat Systems on DDG79-112 to AN/SQQ-89A(V)15 Configuration	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Total Cost (Procurement + Support + Installation)</b>		61.903		51.402		47.200		17.334		10.310		478.286

**Remarks:**

<sup>(2)</sup>The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities, hull access cuts, and installation of the Handling & Stowage Gear (H&SG) on non-tailed (i.e. no towed array) DDG51 Class Flight IIA hulls, which is required for the operation of the new tactical towed sonar, the Multi-Function Towed Array (MFTA).

AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

**Manufacturer Information: AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011	Mar 2012	Jan 2013	Jan 2014	Jan 2015	Jan 2016	
Delivery Dates	Jul 2012	Sep 2013	Jul 2014	Jul 2015	Jul 2016	Jul 2017	

<b>Installation:</b> AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE	<b>Method of Implementation:</b> AIT and SHIPYARD	<b>Installation Name:</b> AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	6	27.706	6	28.696	2	9.239	-	-	-	-	-	-
FY 2011	-	-	-	-	0	3.011	3	14.071	0	0.000	3	14.071
FY 2012	-	-	-	-	-	-	0	3.092	0	0.000	0	3.092
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> (Modification Title, Modification Number): AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - 1

<b>Models of Systems Affected:</b> Upgrade of legacy AN/SQQ-89(V) USW Combat Systems on DDG79-112 to AN/SQQ-89A(V)15 Configuration	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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<b>Installation:</b> AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE	<b>Method of Implementation:</b> AIT and SHIPYARD	<b>Installation Name:</b> AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	6	27.706	6	28.696	2	12.250	3	17.163	0	0.000	3	17.163

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	14	65.641
FY 2011	-	-	-	-	-	-	-	-	-	-	3	17.082
FY 2012	3	14.177	-	-	-	-	-	-	-	-	3	17.269
FY 2013	0	4.181	4	19.558	-	-	-	-	-	-	4	23.739
FY 2014	-	-	0	5.048	5	24.934	-	-	-	-	5	29.982
FY 2015	-	-	-	-	0	3.158	3	15.164	-	-	3	18.322
FY 2016	-	-	-	-	-	-	0	2.170	2	10.310	2	12.480
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	3	18.358	4	24.606	5	28.092	3	17.334	2	10.310	34	184.515

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	6	-	3	1	2	-	1	1	-	-	3	-	-	-	2	1	-	2	2	-	-	2	2	1	-	1	2	-	-	2	34
Out	5	1	1	2	1	2	-	1	1	-	-	3	-	-	-	2	1	-	2	2	-	-	2	2	1	-	1	2	-	2	34

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - IPS REPLACEMENT - 2

<b>Models of Systems Affected:</b> Upgrade of AN/SQQ-89(V)6/Improved Performance Sonar (IPS) on DDG60 to AN/SQQ-89A(V)15 Configuration	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	8.498	0.992	3.458	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.948
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	8.498	0.992	3.458	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.948
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	8.498	0.992	3.458	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.948

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[AN/SQQ-89A(V)15 - IPS REPLACEMENT] DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment (in FY10) to replace the one-of-a-kind adjunct IPS sonar suite for subsequent installation (in FY12) on DDG60 (USS PAUL HAMILTON). An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. DB61N INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade on board DDG60 (USS PAUL HAMILTON), ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.

The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities, hull access cuts, and installation of the Handling & Stowage Gear (H&SG) on non-tailed (i.e. no towed array) DDG51 Class Flight IIA hulls, which is required for the operation of the new tactical towed sonar, the Multi-Function Towed Array (MFTA).

AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - IPS REPLACEMENT - 2

<b>Models of Systems Affected:</b> Upgrade of AN/SQQ-89(V)6/Improved Performance Sonar (IPS) on DDG60 to AN/SQQ-89A(V)15 Configuration	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SQQ-89A(V)15 - IPS REPLACEMENT												
B Kits												
Recurring												
1.1.1) AN/SQQ-89A(V)15 - IPS REPLACEMENT - NonOrganic <sup>(3)</sup>	1	8.498	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		8.498		0.000		0.000		0.000		0.000		0.000
<i>Total, AN/SQQ-89A(V)15 - IPS REPLACEMENT</i>	1	8.498	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		8.498		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		8.498		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.992		3.458		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>8.498</b>		<b>0.992</b>		<b>3.458</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SQQ-89A(V)15 - IPS REPLACEMENT												
B Kits												
Recurring												
1.1.1) AN/SQQ-89A(V)15 - IPS REPLACEMENT - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	-	-	-	-	1	8.498
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		8.498
<i>Total, AN/SQQ-89A(V)15 - IPS REPLACEMENT</i>	-	-	-	-	-	-	-	-	-	-	1	8.498
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		8.498
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		8.498
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		4.450
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>12.948</b>

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - IPS REPLACEMENT - 2

<b>Models of Systems Affected:</b> Upgrade of AN/SQQ-89(V)6/Improved Performance Sonar (IPS) on DDG60 to AN/SQQ-89A(V)15 Configuration	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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**Remarks:**  
<sup>(3)</sup>The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities, hull access cuts, and installation of the Handling & Stowage Gear (H&SG) on non-tailed (i.e. no towed array) DDG51 Class Flight IIA hulls, which is required for the operation of the new tactical towed sonar, the Multi-Function Towed Array (MFTA).

AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

<b>Manufacturer Information: AN/SQQ-89A(V)15 - IPS REPLACEMENT</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Syracuse, NY			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 18			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

<b>Installation:</b> AN/SQQ-89A(V)15 - IPS REPLACEMENT			<b>Method of Implementation:</b> AIT and SHIPYARD				<b>Installation Name:</b> AN/SQQ-89A(V)15 - IPS REPLACEMENT					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	0	0.992	1	3.458	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	0	0.992	1	3.458	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - IPS REPLACEMENT - 2
<b>Models of Systems Affected:</b> Upgrade of AN/SQQ-89(V)6/Improved Performance Sonar (IPS) on DDG60 to AN/SQQ-89A(V)15 Configuration	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N

<b>Installation:</b> AN/SQQ-89A(V)15 - IPS REPLACEMENT	<b>Method of Implementation:</b> AIT and SHIPYARD	<b>Installation Name:</b> AN/SQQ-89A(V)15 - IPS REPLACEMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	1	4.450
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	1	4.450

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE - 3

<b>Models of Systems Affected:</b> Upgrade (during PSA) of in-line AN/SQQ-89(V)15 USW Combat Systems on DDG113-118 to AN/SQQ-89A(V)15	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	5.129	0.000	5.129	10.432	6.085	11.986	0.778	1.648	36.058
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	5.129	0.000	5.129	10.432	6.085	11.986	0.778	1.648	36.058
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>5.129</b>	<b>0.000</b>	<b>5.129</b>	<b>10.432</b>	<b>6.085</b>	<b>11.986</b>	<b>0.778</b>	<b>1.648</b>	<b>36.058</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE] DB400 PROCUREMENT: Procurement of a subset of AN/SQQ-89A(V)15 equipment, specifically the Multi-Function Towed Array (MFTA) and Handling & Stowage Group (H&SG), for subsequent installation on DDG113-118 Flight IIA ships during their Post Shakedown Availability (PSA) period to upgrade the ASW sonar suite from an AN/SQQ-89(V)15 configuration to the AN/SQQ-89A(V)15 configuration. DB6IN INSTALLATION: Funding is for the physical installation of the H&SG and MFTA on DDG113-118 Flight IIA ships during their PSA period.



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> (Modification Title, Modification Number): AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE - 3

<b>Models of Systems Affected:</b> Upgrade (during PSA) of in-line AN/SQQ-89(V)15 USW Combat Systems on DDG113-118 to AN/SQQ-89A(V)15	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE												
B Kits												
Recurring												
1.1.1) AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE - NonOrganic <sup>(4)</sup>	-	-	-	-	-	-	1	5.129	-	-	1	5.129
<i>Subtotal Recurring</i>		0.000		0.000		0.000		5.129		0.000		5.129
<i>Total, AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE</i>	-	-	-	-	-	-	1	5.129	-	-	1	5.129
<i>Total, All Modifications</i>		0.000		0.000		0.000		5.129		0.000		5.129
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		5.129		0.000		5.129
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>5.129</b>		<b>0.000</b>		<b>5.129</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE												
B Kits												
Recurring												
1.1.1) AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE - NonOrganic <sup>(4)</sup>	2	10.432	1	5.333	2	10.456	-	-	-	-	6	31.350
<i>Subtotal Recurring</i>		10.432		5.333		10.456		0.000		0.000		31.350
<i>Total, AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE</i>	2	10.432	1	5.333	2	10.456	-	-	-	-	6	31.350
<i>Total, All Modifications</i>		10.432		5.333		10.456		0.000		0.000		31.350
<i>Procurement Cost (Procurement + Support)</i>		10.432		5.333		10.456		0.000		0.000		31.350
<i>Total Installation Cost</i>		0.000		0.752		1.530		0.778		1.648		4.708

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE - 3

<b>Models of Systems Affected:</b> Upgrade (during PSA) of in-line AN/SQQ-89(V)15 USW Combat Systems on DDG113-118 to AN/SQQ-89A(V)15	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Total Cost (Procurement + Support + Installation)</b>		10.432		6.085		11.986		0.778		1.648		36.058

**Remarks:**

<sup>(4)</sup>The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities, hull access cuts, and installation of the Handling & Stowage Gear (H&SG) on non-tailed (i.e. no towed array) DDG51 Class Flight IIA hulls, which is required for the operation of the new tactical towed sonar, the Multi-Function Towed Array (MFTA).

AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

**Manufacturer Information: AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Jan 2013	Jan 2014	Jan 2015	Jan 2016	
Delivery Dates			Jul 2014	Jul 2015	Jul 2016	Jul 2017	

<b>Installation:</b> AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE	<b>Method of Implementation:</b> AIT and SHIPYARD	<b>Installation Name:</b> AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> (Modification Title, Modification Number): AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE - 3
<b>Models of Systems Affected:</b> Upgrade (during PSA) of in-line AN/SQQ-89(V)15 USW Combat Systems on DDG113-118 to AN/SQQ-89A(V)15	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N

<b>Installation:</b> AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE	<b>Method of Implementation:</b> AIT and SHIPYARD	<b>Installation Name:</b> AN/SQQ-89A(V)15 - DDG113-118 FLIGHT IIA UPGRADE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	1	0.752	-	-	-	-	-	-	1	0.752
FY 2014	-	-	-	-	2	1.530	-	-	-	-	2	1.530
FY 2015	-	-	-	-	-	-	1	0.778	-	-	1	0.778
FY 2016	-	-	-	-	-	-	-	-	2	1.648	2	1.648
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	1	0.752	2	1.530	1	0.778	2	1.648	6	4.708

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	1	-	-	2	6	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	1	-	2	6	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> (Modification Title, Modification Number): AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH - 4

<b>Models of Systems Affected:</b> Technology refresh of previously fielded AN/SQQ-89A(V)15 USW Combat Systems	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.291	60.116	11.539	104.946
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.291	60.116	11.539	104.946
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>33.291</b>	<b>60.116</b>	<b>11.539</b>	<b>104.946</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH] DB400 PROCUREMENT: Procurement of software/hardware technology upgrades for all surface combatant platforms with a previously fielded AN/SQQ-89A(V)15, as necessary to continue to pace the threat and ensure the system remains effective well into the 21st century. DB6IN INSTALLATION: Funding is for the physical installation of periodic software/hardware technology upgrades for all surface combatant platforms with a previously fielded AN/SQQ-89A(V)15.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH - 4

<b>Models of Systems Affected:</b> Technology refresh of previously fielded AN/SQQ-89A(V)15 USW Combat Systems	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH												
B Kits												
Recurring												
1.1.1) AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH												
B Kits												
Recurring												
1.1.1) AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH - NonOrganic	-	-	-	-	9	33.291	14	52.822	-	-	23	86.113
<i>Subtotal Recurring</i>		0.000		0.000		33.291		52.822		0.000		86.113
<i>Total, AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH</i>	-	-	-	-	9	33.291	14	52.822	-	-	23	86.113
<i>Total, All Modifications</i>		0.000		0.000		33.291		52.822		0.000		86.113
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		33.291		52.822		0.000		86.113
<i>Total Installation Cost</i>		0.000		0.000		0.000		7.294		11.539		18.833

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH - 4

<b>Models of Systems Affected:</b> Technology refresh of previously fielded AN/SQQ-89A(V)15 USW Combat Systems	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		33.291		60.116		11.539		104.946

**Remarks:**

**Manufacturer Information: AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH**

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 9

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates						Jan 2016	Jan 2017
Delivery Dates						Oct 2016	Oct 2017

**Installation:** AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH

**Method of Implementation:** AIT

**Installation Name:** AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2136 - AN/SQQ-89 Surf ASW Cmbt Sys	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH - 4
<b>Models of Systems Affected:</b> Technology refresh of previously fielded AN/SQQ-89A(V)15 USW Combat Systems	<b>Type Modification:</b> Warfighting Capability	<b>Related RDT&amp;E PEs:</b> 0205620N

<b>Installation:</b> AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	9	7.294	-	-	9	7.294
FY 2017	-	-	-	-	-	-	-	-	14	11.539	14	11.539
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	9	7.294	14	11.539	23	18.833

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	2	14	23		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	2	14	23		

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,386.424	232.743	212.913	190.874	-	190.874	254.410	247.059	298.882	221.763	30.130	3,075.198
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,386.424	232.743	212.913	190.874	-	190.874	254.410	247.059	298.882	221.763	30.130	3,075.198
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,386.424	232.743	212.913	190.874	-	190.874	254.410	247.059	298.882	221.763	30.130	3,075.198

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	10.078	8.022	11.278	-	11.278	19.788	16.413	24.020	10.055	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This program procures submarine systems and equipment for installation on all classes of submarines to maintain clear acoustical, tactical, and operational superiority over submarine and surface combatants in all scenarios through detection, classification, localization, and contact following. All future acoustic upgrades of Acoustic Rapid COTS Insertion (A-RCI) equipment are incorporated into this budget item. Future procurements, detailed below, are focused on supporting Littoral Warfare, Regional Sea Denial, Strike Group Support, Diesel Submarine Detection, Surveillance, and Peacetime Engagement. Acoustic Rapid COTS Insertion (A-RCI) is a multi-phased, evolutionary development effort geared toward addressing acoustic superiority issues through the rapid introduction of interim products applicable to SSN 688, 688I Flight, SSN21, SSGN, VA Class, and SSBN 726 Class Submarines. A-RCI Phase II provides towed array processing improvements; A-RCI Phase III provides spherical array processing improvements, and AN/BSY-1 High Frequency Upgrade provides A-RCI Phase IV for SSN 688I, SSGN, and Seawolf Class only. As part of Navy's plan to maintain acoustic superiority for in-service submarines, reduce obsolescence, and provide increased capability, the A-RCI program will modernize and sustain approximately 25% of the SSN Fleet per year through executing annual software Advanced Processing Builds (APBs) and bi-annual hardware Technical Insertions (TIs). This effort, known as the N872 Business Plan, funds the APB integration efforts with the Multi-Purpose Processor as well as the AN/BQQ-10 Sonar system that began in FY02. This budget also reflects the procurement of Technology Insertion kits, Submarine Tactical Decision Aids (STDA), Total Ship Monitoring System (TSMS), Active Intercept and Ranging (AI&R) Sensors, and upgrades for the AN/BQS-15 and AN/BQS-17A equipment to be installed with A-RCI systems.

Towed system procurements include Towed Array Refurbishment & Upgrades, TB-16, TB-29A, Reliability upgrades, TB-34 Fatline Towed Arrays, and Thinline Towed Array Handler upgrades. Towed System procurements provide upgrade/support for TB-16 Series Towed Arrays, TB-29 Series Towed Arrays, OK-276 Series Towed Array Handlers, OK-634 Towed Array Handlers, and OA-9070 Series Handlers installed on SSN688, SSN 688I, SSN21, SSGN, VA Class, and SSBN 726 Class Submarines. These upgrades provide increased sensor capability to maintain acoustic superiority and reliability improvements to increase the service life, reduce failures, and increase the inventory of arrays and handlers available for fleet use. Improvements are made to monitor handler and array forces which are incorporated into engineering changes to improve reliability.

Procurement of Low Cost Conformal Array (LCCA) and VA Unique Sensors required to sustain existing hull sensor systems for the VA platforms under the management of the Critical Transducer Program.

Sensor system procurements provide improvements in sensor capability and reliability to include TB-16G, TB-34 Fatline Towed Arrays, Handler upgrade kits for the new sensors, and next generation Towed Arrays and Telemetries. Refurbishment and reliability improvements are also provided for the in-service sensor programs.

Installation funds are for actual hardware installations during shipyard and pier-side availabilities. Procurements support a 12-15 month lead time for installations.

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars		<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<p>[P40A / SA101 ACOUSTIC UPGRADES]: Procures A-RCI TA, SA, HA, and HF Upgrade Kits (including 688I and SSN21 classes), Total Ship Monitoring Systems (TSMS), and Active Intercept and Ranging (AI&amp;R) Sensors. Funding also supports the installation of A-RCI hardware, annual APBs, and the refurbishment and installation of the upgrades.</p> <p>[P40A / SA102 TOWED SYSTEMS]: Procures TB-34 Fatline, TB-29A Arrays, and refurbishment/upgrade material to support reliability improvements to TB-16, TB-23, TB-29 Towed Arrays, next generation Towed Arrays and Telemetries, and Towed Array Handling Systems. Handling System reliability improvements include: improved cables in the outboard systems, Electromagnetic Interference (EMI) improvements, roller boxes, improved hydraulic control, and capstans. Towed Array reliability improvements include: improved internal connectors, hydrophones, tow cables, and Vibration Isolation Modules (VIMs). Towed Array improvements to increase performance include: Light Weight Tow Cables for Towed Arrays and Wide-band OMNI capability in Fat Line Arrays. The TB-29A program supports N8's response to the Fleet Forces Command's Urgent Operational Needs Statement message (dtd 15 June 2009) which requests that a reliable Thinline Towed Array is critically needed to support submarine operations in the Western Pacific Area of Operations.</p> <p>[P40A / SA105 SONAR SUPPORT EQUIPMENT]: Funds provided to procure BQN-17(A), BQS-15A EC-19, BQS-15A EC-20, and associated equipment.</p> <p>[P40A / SA106 HULL SENSORS]: Procurement of Low Cost Conformal Array (LCCA) and VA Unique Sensors required to sustain existing hull sensor systems for the VA platforms under the management of the Critical Transducer Program.</p> <p>[P40A / SA201 BLOCK CHANGES]: Minor Engineering Change Proposals (ECP's) and hardware changes affecting all classes of submarines are procured through this line. Funding will be used to support non-recurring first article test efforts associated with the changing COTS environment as well as Reliability, Maintainability, and Availability modifications requested by the Fleet. This line also supports the procurement of hardware necessary to implement the ECP's into the System or end item being procured.</p> <p>[P40A / SA202 PRODUCTION/ENGINEERING SUPPORT]: Funding supports the procurement of Acoustics Upgrades equipment and Towed System hardware.</p> <p>[P40A / SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT]: Funding procures various towed array test equipment and handling system/stowage tube inspection test equipment.</p> <p>[P40A / SA302 OP TRAINER UPGRADES]: Funding procures hardware upgrades and production engineering for Acoustic Upgrades operational trainer sites.</p> <p>[P40A / SA303 COTS SUPPORTABILITY UPGRADES]: Provides for Technology Refresh/Insertion for A-RCI kits. Tech Refresh provides for Software and Hardware updates to accommodate shifts in technology to the execution procurement years' "current state-of-the-practice" hardware. A-RCI has already undergone several technology insertion phases to accommodate integrating Advanced Processing Builds (APBs). Updates are necessary for signal and display processing hardware as APBs are introduced or as commercial support for the hardware is phased out. Tech Insertion procures the hardware necessary to upgrade and back fit the A-RCI kits. When A-RCI systems are being upgraded to subsequent phases of A-RCI, signal processing and display hardware will be procured from this line to accommodate common technology consistent with the APB being implemented in the year of introduction. In future years, requirements include additional equipment in technology insertion to prevent COTS hardware from becoming unsupportable/obsolete. Funding also supports the procurement and engineering for COTS Underwater Comms.</p> <p>[P40A / SA401 INITIAL TRAINING ]: Provides for initial training curriculum development, training management materials, exercise control group development, pilot services, and services to the Fleet.</p> <p>[P40A / SA900 CONSULTING SERVICES]: Includes specification validation, contract deliverable monitoring, prime contractor monitoring for cost, schedule, and performance slips, ILS planning, and coordination of GFI. Additional support will include production planning, business case analysis, technical refresh and insertion planning and market analysis to review implementation strategies for procurement of current year "state of the practice" hardware in Acoustics programs. Consulting services will also provide production monitoring, installation planning and coordination support.</p>		

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 2 : Ship Sonars

**P-1 Line Item Nomenclature:**  
 2147 - SSN Acoustics

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SSN Acoustics (See enclosed P-40A)	P40A, P5A				576.710			92.088			87.491			95.513			0.000			95.513
SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - 1	P3A		-	-	0.000	-	-	0.000	-	-	8.500	-	-	4.080	-	-	0.000	-	-	4.080
SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS) - 2	P3A		-	-	172.558	-	-	6.600	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS - 3	P3A		-	-	123.379	-	-	2.758	-	-	2.843	-	-	1.911	-	-	0.000	-	-	1.911
SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - 4	P3A		-	-	57.986	-	-	1.306	-	-	1.319	-	-	0.500	-	-	0.000	-	-	0.500
SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - 5	P3A		-	-	93.504	-	-	11.259	-	-	10.140	-	-	3.607	-	-	0.000	-	-	3.607
SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS - 6	P3A		-	-	32.014	-	-	5.808	-	-	1.800	-	-	0.000	-	-	0.000	-	-	0.000
SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P) - 7	P3A		-	-	34.194	-	-	1.500	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - 8	P3A		-	-	29.425	-	-	21.752	-	-	19.403	-	-	13.704	-	-	0.000	-	-	13.704
SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES - 9	P3A		-	-	236.754	-	-	59.162	-	-	42.383	-	-	36.961	-	-	0.000	-	-	36.961
SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - 10	P3A		-	-	0.000	-	-	0.000	-	-	8.000	-	-	3.060	-	-	0.000	-	-	3.060
SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - 11	P3A		-	-	29.900	-	-	30.510	-	-	31.034	-	-	31.538	-	-	0.000	-	-	31.538

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 2 : Ship Sonars

**P-1 Line Item Nomenclature:**  
 2147 - SSN Acoustics

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - 12	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					1,386.424		232.743			212.913			190.874			-				190.874

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SSN Acoustics (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - 1	P3A		-	-	3.620	-	-	2.142	-	-	0.000	-	-	0.000	-	-	0.000	-	-	18.342
SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS) - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	179.158
SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	130.891
SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	61.111
SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - 5	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	118.510
SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS - 6	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	39.622
SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P) - 7	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	35.694
SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - 8	P3A		-	-	27.366	-	-	24.932	-	-	27.095	-	-	11.735	-	-	1.801	-	-	177.213
SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES - 9	P3A		-	-	64.635	-	-	65.288	-	-	56.492	-	-	55.264	-	-	15.600	-	-	632.539

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 2 : Ship Sonars **P-1 Line Item Nomenclature:**  
 2147 - SSN Acoustics

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - 10	P3A		-	-	8.274	-	-	3.165	-	-	8.558	-	-	11.977	-	-	3.329	-	-	46.363
SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - 11	P3A		-	-	6.224	-	-	13.145	-	-	3.214	-	-	0.000	-	-	0.000	-	-	145.565
SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - 12	P3A		-	-	19.660	-	-	28.409	-	-	43.878	-	-	39.173	-	-	9.400	-	-	140.520
<b>Total Gross/Weapon System Cost</b>					<b>254.410</b>			<b>247.059</b>			<b>298.882</b>			<b>221.763</b>			<b>30.130</b>			<b>3,075.198</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2147 - SSN Acoustics					Aggregated Item Name: SSN Acoustics									
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) SA101 ACOUSTIC UPGRADES</b>																			
1.1) INSTALL SUPPORT	A	-	-	22.227	-	-	1.839	-	-	1.002	-	-	-	-	-	-	-	-	-
1.2) New Cost Element		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) SPVA SENSOR ENGINEERING	A	-	-	5.988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) SA101 ACOUSTIC UPGRADES</i>				28.215			1.839			1.002			0.000			0.000			0.000
<b>2) SA102 TOWED SYSTEMS</b>																			
† 2.1) TB-34 FATLINE INTERFACE HWD	B	-	-	0.881	16,170.00	6	0.097	17,000.00	11	0.187	17,000.00	11	0.187	-	-	-	17,000.00	11	0.187
2.2) TB-29A TOWED ARRAY	B	-	-	34.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.3) TB-34 FATLINE TOWED ARRAYS	B	-	-	35.878	733,000.00	10	7.330	745,000.00	5	3.725	757,000.00	5	3.785	-	-	-	757,000.00	5	3.785
2.4) TOWED ARRAY REFURBISHMENT & UPGRADES	A	-	-	142.212	-	-	29.624	-	-	25.027	-	-	30.515	-	-	-	-	-	30.515
2.5) TOWED ARRAY HANDLER SYSTEM UPGRADE	A	-	-	47.109	-	-	6.113	-	-	6.088	-	-	6.588	-	-	-	-	-	6.588
2.6) TB-33 FIBER OPTIC ARRAY	B	-	-	17.925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) TB-33 FIBER OPTIC ARRAY RECEIVER	B	-	-	7.440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.8) TB-33 FIBER OPTIC SIGNAL PATH	A	-	-	1.353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) SA102 TOWED SYSTEMS</i>				286.798			43.164			35.027			41.075			0.000			41.075
<b>3) SA105 SONAR SUPPORT EQUIPMENT</b>																			
3.1) BQN-17	A	-	-	4.000	-	-	0.800	-	-	0.812	-	-	0.825	-	-	-	-	-	0.825

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2147 - SSN Acoustics										Aggregated Item Name: SSN Acoustics				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 3) SA105 SONAR SUPPORT EQUIPMENT				4.000			0.800			0.812			0.825			0.000			0.825
<b>4) SA106 HULL SENSORS</b>																			
4.1) LCCA ENGINEERING SUPPORT	A	-	-	0.240	-	-	0.245	-	-	0.249	-	-	-	-	-	-	-	-	-
4.2) VA UNIQUE SENSOR	A	-	-	3.209	-	-	3.374	-	-	3.428	-	-	6.476	-	-	-	-	-	6.476
Subtotal 4) SA106 HULL SENSORS				3.449			3.619			3.677			6.476			0.000			6.476
<b>5) SA201 BLOCK CHANGES</b>																			
5.1) SSEP	A	-	-	1.800	-	-	0.400	-	-	0.406	-	-	0.413	-	-	-	-	-	0.413
5.2) TOWED SYSTEMS ECP'S	A	-	-	7.118	-	-	1.531	-	-	1.555	-	-	1.582	-	-	-	-	-	1.582
5.3) ACOUSTICS	A	-	-	10.848	-	-	2.319	-	-	2.356	-	-	2.396	-	-	-	-	-	2.396
Subtotal 5) SA201 BLOCK CHANGES				19.766			4.250			4.317			4.391			0.000			4.391
<b>6) SA202 PRODUCTION/ ENGINEERING SUPPORT</b>																			
6.1) ACOUSTICS	A	-	-	13.340	-	-	2.850	-	-	2.896	-	-	2.945	-	-	-	-	-	2.945
6.2) TOWED ARRAYS/ HANDLING EQUIPMENT	A	-	-	17.252	-	-	3.734	-	-	3.794	-	-	3.858	-	-	-	-	-	3.858
Subtotal 6) SA202 PRODUCTION/ ENGINEERING SUPPORT				30.592			6.584			6.690			6.803			0.000			6.803
<b>7) SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT</b>																			
7.1) TOWED ARRAY UNIQUE TEST EQUIPMENT	A	-	-	11.629	-	-	1.132	-	-	1.150	-	-	1.170	-	-	-	-	-	1.170
Subtotal 7) SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT				11.629			1.132			1.150			1.170			0.000			1.170
<b>8) SA302 OP TRAINER UPGRADES</b>																			

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 2 **P-1 Line Item Nomenclature:** 2147 - SSN Acoustics **Aggregated Item Name:** SSN Acoustics

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
8.1) OP TRAINER GFE	A	-	-	5.000	-	-	1.000	-	-	1.016	-	-	1.033	-	-	-	-	-	1.033
<i>Subtotal 8) SA302 OP TRAINER UPGRADES</i>				5.000			1.000			1.016			1.033			0.000			1.033
<b>9) SA303 COTS SUPPORTABILITY UPGRADES</b>																			
9.1) INSTALL SUPPORT	A	-	-	-	-	-	-	-	-	1.400	-	-	1.426	-	-	-	-	-	1.426
9.2) SONAR TACTICAL DECISION AIDS (STDA)	A	-	-	28.000	-	-	6.000	-	-	6.096	-	-	6.199	-	-	-	-	-	6.199
9.3) AEMP	A	-	-	27.000	-	-	5.000	-	-	5.080	-	-	5.166	-	-	-	-	-	5.166
9.4) COTS UWC ENGINEERING SUPPORT	A	-	-	4.500	-	-	4.518	-	-	4.590	-	-	4.668	-	-	-	-	-	4.668
9.5) COTS TECH INSERTION	A	-	-	98.748	-	-	7.600	-	-	11.000	-	-	11.942	-	-	-	-	-	11.942
† 9.6) ICE KEEL AVOIDANCE	A	-	-	5.250	650,000.00	2	1.300	660,500.00	2	1.321	-	-	-	-	-	-	-	-	-
<i>Subtotal 9) SA303 COTS SUPPORTABILITY UPGRADES</i>				163.498			24.418			29.487			29.401			0.000			29.401
<b>10) SA401 INITIAL TRAINING</b>																			
10.1) ACOUSTICS	A	-	-	6.354	-	-	1.600	-	-	1.626	-	-	1.653	-	-	-	-	-	1.653
10.2) TOWED ARRAY	A	-	-	2.733	-	-	0.601	-	-	0.611	-	-	0.621	-	-	-	-	-	0.621
<i>Subtotal 10) SA401 INITIAL TRAINING</i>				9.087			2.201			2.237			2.274			0.000			2.274
<b>11) SA900 CONSULTING SERVICES</b>																			
11.1) ACOUSTICS	A	-	-	9.080	-	-	1.887	-	-	1.390	-	-	1.380	-	-	-	-	-	1.380
11.2) TOWED SYSTEMS	A	-	-	5.596	-	-	1.194	-	-	0.686	-	-	0.685	-	-	-	-	-	0.685
<i>Subtotal 11) SA900 CONSULTING SERVICES</i>				14.676			3.081			2.076			2.065			0.000			2.065
<b>Total</b>				<b>576.710</b>			<b>92.088</b>			<b>87.491</b>			<b>95.513</b>			<b>0.000</b>			<b>95.513</b>



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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2147 - SSN Acoustics										Aggregated Item Name: SSN Acoustics					
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total			
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
<b>1) SA101 ACOUSTIC UPGRADES</b>																				
1.1) INSTALL SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) New Cost Element		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) SPVA SENSOR ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal 1) SA101 ACOUSTIC UPGRADES</i>						0.000			0.000			0.000			0.000			0.000		0.000
<b>2) SA102 TOWED SYSTEMS</b>																				
† 2.1) TB-34 FATLINE INTERFACE HWD	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) TB-29A TOWED ARRAY	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
† 2.3) TB-34 FATLINE TOWED ARRAYS	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.4) TOWED ARRAY REFURBISHMENT & UPGRADES	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.5) TOWED ARRAY HANDLER SYSTEM UPGRADE	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.6) TB-33 FIBER OPTIC ARRAY	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.7) TB-33 FIBER OPTIC ARRAY RECEIVER	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.8) TB-33 FIBER OPTIC SIGNAL PATH	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal 2) SA102 TOWED SYSTEMS</i>						0.000			0.000			0.000			0.000			0.000		0.000
<b>3) SA105 SONAR SUPPORT EQUIPMENT</b>																				
3.1) BQN-17	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2147 - SSN Acoustics										Aggregated Item Name: SSN Acoustics				
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 3) SA105 SONAR SUPPORT EQUIPMENT				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) SA106 HULL SENSORS</b>																			
4.1) LCCA ENGINEERING SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) VA UNIQUE SENSOR	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) SA106 HULL SENSORS				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) SA201 BLOCK CHANGES</b>																			
5.1) SSEP	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) TOWED SYSTEMS ECP'S	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) ACOUSTICS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 5) SA201 BLOCK CHANGES				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) SA202 PRODUCTION/ ENGINEERING SUPPORT</b>																			
6.1) ACOUSTICS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) TOWED ARRAYS/ HANDLING EQUIPMENT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 6) SA202 PRODUCTION/ ENGINEERING SUPPORT				0.000			0.000			0.000			0.000			0.000			0.000
<b>7) SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT</b>																			
7.1) TOWED ARRAY UNIQUE TEST EQUIPMENT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 7) SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT				0.000			0.000			0.000			0.000			0.000			0.000
<b>8) SA302 OP TRAINER UPGRADES</b>																			

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 2 **P-1 Line Item Nomenclature:** 2147 - SSN Acoustics **Aggregated Item Name:** SSN Acoustics

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
8.1) OP TRAINER GFE	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 8) SA302 OP TRAINER UPGRADES</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>9) SA303 COTS SUPPORTABILITY UPGRADES</b>																			
9.1) INSTALL SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) SONAR TACTICAL DECISION AIDS (STDA)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.3) AEMP	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.4) COTS UWC ENGINEERING SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.5) COTS TECH INSERTION	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 9.6) ICE KEEL AVOIDANCE	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 9) SA303 COTS SUPPORTABILITY UPGRADES</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>10) SA401 INITIAL TRAINING</b>																			
10.1) ACOUSTICS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.2) TOWED ARRAY	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 10) SA401 INITIAL TRAINING</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>11) SA900 CONSULTING SERVICES</b>																			
11.1) ACOUSTICS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.2) TOWED SYSTEMS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 11) SA900 CONSULTING SERVICES</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Aggregated Item Name:</b> SSN Acoustics
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>2) SA102 TOWED SYSTEMS</b>												
2.1) TB-34 FATLINE INTERFACE HWD		2011	CSC / Millersville, MD	C / FP	NAVSEA	Jan 2011	Jan 2012	6	16,170.00	Y		
2.1) TB-34 FATLINE INTERFACE HWD		2012	CSC / Millersville, MD	C / FP	NAVSEA	Feb 2012	Feb 2013	11	17,000.00	Y		
2.1) TB-34 FATLINE INTERFACE HWD		2013	CSC / Millersville, MD	C / FP	NAVSEA	Mar 2013	Mar 2014	11	17,000.00	Y		
2.3) TB-34 FATLINE TOWED ARRAYS		2011	CSC / Millersville, MD	C / FP	NAVSEA	Jan 2011	Jan 2012	10	733,000.00	Y		
2.3) TB-34 FATLINE TOWED ARRAYS		2012	CSC / Millersville, MD	C / FP	NAVSEA	Feb 2012	Feb 2013	5	745,000.00	Y		
2.3) TB-34 FATLINE TOWED ARRAYS		2013	CSC / Millersville, MD	C / FP	NAVSEA	Mar 2013	Mar 2014	5	757,000.00	Y		
<b>9) SA303 COTS SUPPORTABILITY UPGRADES</b>												
9.6) ICE KEEL AVOIDANCE		2011	ARL / UT	SS / CPFF	NAVSEA	Mar 2011	Mar 2012	2	650,000.00	Y		
9.6) ICE KEEL AVOIDANCE		2012	ARL / UT	SS / CPFF	NAVSEA	Mar 2012	Mar 2013	2	660,500.00	Y		

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - 1

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	8.500	4.080	0.000	4.080	3.620	2.142	0.000	0.000	0.000	18.342
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	8.500	4.080	0.000	4.080	3.620	2.142	0.000	0.000	0.000	18.342
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>8.500</b>	<b>4.080</b>	<b>0.000</b>	<b>4.080</b>	<b>3.620</b>	<b>2.142</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>18.342</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Funding supports Technology Insertion, HF Active Components, and Transmit Group.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2					<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - 1			
<b>Models of Systems Affected:</b> SSN ACOUSTICS					<b>Type Modification:</b> SHIPALT					<b>Related RDT&amp;E PEs:</b>			
Financial Plan		Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
		Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>													
SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT													
B Kits													
Recurring													
1.1.1) SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - NonOrganic <sup>(1)</sup>		-	-	-	-	2	7.000	-	-	-	-	-	-
<i>Subtotal Recurring</i>			0.000		0.000		7.000		0.000		0.000		0.000
NonRecurring													
1.2.1) SA101 SSN 21 LEGACY REPLACEMENT NRE - NonOrganic		-	-	-	-	-	1.500	-	-	-	-	-	-
<i>Subtotal NonRecurring</i>			0.000		0.000		1.500		0.000		0.000		0.000
<b>Total, SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT</b>		-	-	-	-	2	8.500	-	-	-	-	-	-
<b>Total, All Modifications</b>			0.000		0.000		8.500		0.000		0.000		0.000
<b>Procurement Cost (Procurement + Support)</b>			0.000		0.000		8.500		0.000		0.000		0.000
<b>Total Installation Cost</b>			0.000		0.000		0.000		4.080		0.000		4.080
<b>Total Cost (Procurement + Support + Installation)</b>			0.000		0.000		8.500		4.080		0.000		4.080
Financial Plan		FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
		Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>													
SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT													
B Kits													
Recurring													
1.1.1) SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - NonOrganic <sup>(1)</sup>		1	3.620	-	-	-	-	-	-	-	-	3	10.620
<i>Subtotal Recurring</i>			3.620		0.000		0.000		0.000		0.000		10.620
NonRecurring													

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - 1

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1.2.1) SA101 SSN 21 LEGACY REPLACEMENT NRE - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	1.500
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.000		0.000		1.500
<i>Total, SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT</i>	1	3.620	-	-	-	-	-	-	-	-	3	12.120
<i>Total, All Modifications</i>		3.620		0.000		0.000		0.000		0.000		12.120
<i>Procurement Cost (Procurement + Support)</i>		3.620		0.000		0.000		0.000		0.000		12.120
<i>Total Installation Cost</i>		0.000		2.142		0.000		0.000		0.000		6.222
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.620</b>		<b>2.142</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>18.342</b>

**Remarks:**  
(1)Funding supports Technology Insertion, HF Active Components, and Transmit Group.

**Manufacturer Information: SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT**

Manufacturer Name: Lockheed Martin				Manufacturer Location: VA			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Mar 2012					
Delivery Dates		Mar 2013					

<b>Installation:</b> SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	4.080	0	0.000	2	4.080
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> (Modification Title, Modification Number): SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - 1

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	2	4.080	0	0.000	2	4.080

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	2	4.080
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	1	2.142	-	-	-	-	-	-	1	2.142
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	1	2.142	-	-	-	-	-	-	3	6.222

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3
Out	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS) - 2

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	172.558	6.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	179.158
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	172.558	6.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	179.158
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>172.558</b>	<b>6.600</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>179.158</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procures A-RCI TA, SA, HA, and HF Upgrade Kits (including 688I and SSN21 classes), Total Ship Monitoring Systems (TSMS), and Active Intercept and Ranging (AI&R) Sensors. Funding also supports the installation of A-RCI hardware, annual APBs, and the refurbishment and installation of the upgrades.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS) - 2

<b>Models of Systems Affected:</b> SSN ACOUSTICS		<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>						
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS) - NonOrganic	18	125.158	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		125.158		0.000		0.000		0.000		0.000		0.000
<i>Total, SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)</i>	18	125.158	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		125.158		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		125.158		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		47.400		6.600		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>172.558</b>		<b>6.600</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS) - NonOrganic	-	-	-	-	-	-	-	-	-	-	18	125.158
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		125.158
<i>Total, SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)</i>	-	-	-	-	-	-	-	-	-	-	18	125.158
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		125.158

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS) - 2

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		125.158
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		54.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>179.158</b>

**Remarks:**

**Manufacturer Information:** SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)

Manufacturer Name: Lockheed Martin	Manufacturer Location: VA
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

**Installation:** SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)      **Method of Implementation:** SHIPALT      **Installation Name:** SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	16	47.400	2	6.600	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>16</b>	<b>47.400</b>	<b>2</b>	<b>6.600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS) - 2

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES A-RCI 688 PHASE II-III KITS(TA-SA RCI KITS)
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	18	54.000
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	18	54.000

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	16	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Out	16	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS - 3

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	123.379	2.758	2.843	1.911	0.000	1.911	0.000	0.000	0.000	0.000	0.000	130.891
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	123.379	2.758	2.843	1.911	0.000	1.911	0.000	0.000	0.000	0.000	0.000	130.891
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>123.379</b>	<b>2.758</b>	<b>2.843</b>	<b>1.911</b>	<b>0.000</b>	<b>1.911</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>130.891</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

TSMS allows the crew the capability of detecting and localizing ownship generated noise while at sea in any location.

[SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS] TSMS allows the crew the capability of detecting and localizing ownship generated noise while at sea in any location.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS - 3

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
	<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>						
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS - NonOrganic	50	45.179	1	0.928	1	0.943	-	-	-	-	-	-
<i>Subtotal Recurring</i>		45.179		0.928		0.943		0.000		0.000		0.000
<i>Total, SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS</i>	50	45.179	1	0.928	1	0.943	-	-	-	-	-	-
<i>Total, All Modifications</i>		45.179		0.928		0.943		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		45.179		0.928		0.943		0.000		0.000		0.000
<i>Total Installation Cost</i>		78.200		1.830		1.900		1.911		0.000		1.911
<b>Total Cost (Procurement + Support + Installation)</b>		123.379		2.758		2.843		1.911		0.000		1.911

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS - NonOrganic	-	-	-	-	-	-	-	-	-	-	52	47.050
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		47.050
<i>Total, SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS</i>	-	-	-	-	-	-	-	-	-	-	52	47.050
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		47.050
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		47.050



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS - 3

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	50	80.030
FY 2011	-	-	-	-	-	-	-	-	-	-	1	1.900
FY 2012	-	-	-	-	-	-	-	-	-	-	1	1.911
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	52	83.841

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	49	-	-	1	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Out	49	-	-	1	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - 4

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	57.986	1.306	1.319	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	61.111
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	57.986	1.306	1.319	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	61.111
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>57.986</b>	<b>1.306</b>	<b>1.319</b>	<b>0.500</b>	<b>0.000</b>	<b>0.500</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>61.111</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Replaces obsolete WLR-9 electronics with COTS Open Architecture digital processor integrated with ARCI, on both SSN and SSBN. Installed with sensor which improves accuracy and fidelity. Installation funding part of Acoustic Cost code SA51N (Acoustic Upgrade Installation).

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - 4

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - NonOrganic	50	36.686	1	0.806	1	0.819	-	-	-	-	-	-
<i>Subtotal Recurring</i>		36.686		0.806		0.819		0.000		0.000		0.000
<i>Total, SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT &amp; RANGING KITS (AI&amp;R)</i>	50	36.686	1	0.806	1	0.819	-	-	-	-	-	-
<i>Total, All Modifications</i>		36.686		0.806		0.819		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		36.686		0.806		0.819		0.000		0.000		0.000
<i>Total Installation Cost</i>		21.300		0.500		0.500		0.500		0.000		0.500
<b>Total Cost (Procurement + Support + Installation)</b>		57.986		1.306		1.319		0.500		0.000		0.500

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - NonOrganic	-	-	-	-	-	-	-	-	-	-	52	38.311
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		38.311
<i>Total, SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT &amp; RANGING KITS (AI&amp;R)</i>	-	-	-	-	-	-	-	-	-	-	52	38.311
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		38.311

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - 4

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		38.311
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		22.800
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>61.111</b>

**Remarks:**

**Manufacturer Information: SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)**

Manufacturer Name: Progeny Systems	Manufacturer Location: Manassas, VA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Mar 2011	Mar 2012					
Delivery Dates	Mar 2012	Mar 2013					

<b>Installation:</b> SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	49	21.300	1	0.500	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	1	0.500	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	1	0.500	0	0.000	1	0.500
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>49</b>	<b>21.300</b>	<b>1</b>	<b>0.500</b>	<b>1</b>	<b>0.500</b>	<b>1</b>	<b>0.500</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>0.500</b>

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - 4

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	50	21.800
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.500
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.500
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	52	22.800

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	49	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Out	49	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - 5

<b>Models of Systems Affected:</b> SSN ACOUSTICS			<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	93.504	11.259	10.140	3.607	0.000	3.607	0.000	0.000	0.000	0.000	0.000	118.510
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	93.504	11.259	10.140	3.607	0.000	3.607	0.000	0.000	0.000	0.000	0.000	118.510
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>93.504</b>	<b>11.259</b>	<b>10.140</b>	<b>3.607</b>	<b>0.000</b>	<b>3.607</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>118.510</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Funding supports the replacement of UYK-43, Technology Insertion, HF Active components and transmit group, replacing obsolete componets, providing and cabinet spacing for future requirements.

[SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT] Funding supports the replacement of UYK-43, Technology Insertion, HF Active components and transmit group, replacing obsolete componets, providing and cabinet spacing for future requirements.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - 5

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - NonOrganic <sup>(2)</sup>	26	49.204	3	6.486	3	6.591	-	-	-	-	-	-
<i>Subtotal Recurring</i>		49.204		6.486		6.591		0.000		0.000		0.000
<i>Total, SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT</i>	26	49.204	3	6.486	3	6.591	-	-	-	-	-	-
<i>Total, All Modifications</i>		49.204		6.486		6.591		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		49.204		6.486		6.591		0.000		0.000		0.000
<i>Total Installation Cost</i>		44.300		4.773		3.549		3.607		0.000		3.607
<b>Total Cost (Procurement + Support + Installation)</b>		<b>93.504</b>		<b>11.259</b>		<b>10.140</b>		<b>3.607</b>		<b>0.000</b>		<b>3.607</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - NonOrganic <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	32	62.281
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		62.281
<i>Total, SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT</i>	-	-	-	-	-	-	-	-	-	-	32	62.281
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		62.281
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		62.281
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		56.229
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>118.510</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - 5

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**  
(2)Funding supports the replacement of UYK-43, Technology Insertion, HF Active components and transmit group, replacing obsolete componets, providing and cabinet spacing for future requirements.

**Manufacturer Information: SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT**

Manufacturer Name: Lockheed Martin				Manufacturer Location: VA			
Administrative Leadtime ( <i>in Months</i> ): 6				Production Leadtime ( <i>in Months</i> ): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Mar 2011	Mar 2012					
Delivery Dates	Mar 2012	Mar 2013					

<b>Installation:</b> SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	22	44.300	4	4.773	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	3	3.549	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	3	3.607	0	0.000	3	3.607
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	22	44.300	4	4.773	3	3.549	3	3.607	0	0.000	3	3.607

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	26	49.073
FY 2011	-	-	-	-	-	-	-	-	-	-	3	3.549
FY 2012	-	-	-	-	-	-	-	-	-	-	3	3.607

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2		<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - 5

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	32	56.229

Installation Schedule																																		
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
In	22	-	-	2	2	-	-	3	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Out	22	-	-	2	2	-	-	3	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS - 6

<b>Models of Systems Affected:</b> SSN ACOUSTICS			<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	32.014	5.808	1.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	39.622
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	32.014	5.808	1.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	39.622
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>32.014</b>	<b>5.808</b>	<b>1.800</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>39.622</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides Phase II capability to the SSBN Class

[SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS] Provides Phase II capability to the SSBN Class

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS - 6

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS - NonOrganic	9	18.614	1	2.208	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		18.614		2.208		0.000		0.000		0.000		0.000
<i>Total, SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS</i>	9	18.614	1	2.208	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		18.614		2.208		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		18.614		2.208		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		13.400		3.600		1.800		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		32.014		5.808		1.800		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS												
B Kits												
Recurring												
1.1.1) SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS - NonOrganic	-	-	-	-	-	-	-	-	-	-	10	20.822
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		20.822
<i>Total, SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS</i>	-	-	-	-	-	-	-	-	-	-	10	20.822
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		20.822
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		20.822
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		18.800
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		39.622

Remarks:

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS - 6

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information: SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS**

Manufacturer Name: Lockheed Martin	Manufacturer Location: VA
Administrative Leadtime ( <i>in Months</i> ): 5	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Mar 2011						
Delivery Dates	Mar 2012						

<b>Installation:</b> SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	7	13.400	2	3.600	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	1	1.800	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>7</b>	<b>13.400</b>	<b>2</b>	<b>3.600</b>	<b>1</b>	<b>1.800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	9	17.000
FY 2011	-	-	-	-	-	-	-	-	-	-	1	1.800
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS - 6

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA101 ACOUSTIC UPGRADES A-RCI SSBN REFURB KITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	10	18.800

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	7	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	7	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P) - 7

<b>Models of Systems Affected:</b> SSN ACOUSTICS			<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	34.194	1.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.694
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	34.194	1.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.694
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>34.194</b>	<b>1.500</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>35.694</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

AN/BQS-15 EC-20 precision Bottom Mapping enables a ship to safely maneuver through and exit a minefield.

[SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)] AN/BQS-15 EC-20 precision Bottom Mapping enables a ship to safely maneuver through and exit a minefield.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P) - 7

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)												
B Kits												
Recurring												
1.1.1) SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P) - NonOrganic	21	23.094	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		23.094		0.000		0.000		0.000		0.000		0.000
<i>Total, SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)</i>	21	23.094	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		23.094		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		23.094		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		11.100		1.500		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>34.194</b>		<b>1.500</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)												
B Kits												
Recurring												
1.1.1) SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P) - NonOrganic	-	-	-	-	-	-	-	-	-	-	21	23.094
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		23.094
<i>Total, SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)</i>	-	-	-	-	-	-	-	-	-	-	21	23.094
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		23.094
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		23.094
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		12.600
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>35.694</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P) - 7

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information:** SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)

Manufacturer Name: Lockheed Martin	Manufacturer Location: VA
Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

<b>Installation:</b> SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	18	11.100	3	1.500	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	18	11.100	3	1.500	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	21	12.600
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2		<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P) - 7

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA105 SONAR SUPPORT EQUIPMENT BQS-15A EC-20 (P)
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	21	12.600

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	18	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Out	18	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - 8

<b>Models of Systems Affected:</b> SSN ACOUSTICS			<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	29.425	21.752	19.403	13.704	0.000	13.704	27.366	24.932	27.095	11.735	1.801	177.213
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	29.425	21.752	19.403	13.704	0.000	13.704	27.366	24.932	27.095	11.735	1.801	177.213
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>29.425</b>	<b>21.752</b>	<b>19.403</b>	<b>13.704</b>	<b>0.000</b>	<b>13.704</b>	<b>27.366</b>	<b>24.932</b>	<b>27.095</b>	<b>11.735</b>	<b>1.801</b>	<b>177.213</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Production Lead Time: 17 months for first delivery / 12 months for follow-on. FY14 includes the procurement of a First Article Light Weight Low Cost Conformal Array (LCCA), which has an 18 month lead time - installation occurs in FY16.

[SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS] Production Lead Time: 17 months for first delivery / 12 months for follow-on. FY14 includes the procurement of a First Article Light Weight Low Cost Conformal Array (LCCA), which has an 18 month lead time - installation occurs in FY16.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - 8

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS												
B Kits												
Recurring												
1.1.1) SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - NonOrganic <sup>(3)</sup>	6	24.725	4	16.979	3	12.939	2	8.772	-	-	2	8.772
<i>Subtotal Recurring</i>		24.725		16.979		12.939		8.772		0.000		8.772
<i>Total, SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS</i>	6	24.725	4	16.979	3	12.939	2	8.772	-	-	2	8.772
<i>Total, All Modifications</i>		24.725		16.979		12.939		8.772		0.000		8.772
<i>Procurement Cost (Procurement + Support)</i>		24.725		16.979		12.939		8.772		0.000		8.772
<i>Total Installation Cost</i>		4.700		4.773		6.464		4.932		0.000		4.932
<b>Total Cost (Procurement + Support + Installation)</b>		29.425		21.752		19.403		13.704		0.000		13.704

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS												
B Kits												
Recurring												
1.1.1) SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - NonOrganic <sup>(3)</sup>	5	24.025	4	18.144	4	18.456	1	4.692	-	-	29	128.732
<i>Subtotal Recurring</i>		24.025		18.144		18.456		4.692		0.000		128.732
<i>Total, SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS</i>	5	24.025	4	18.144	4	18.456	1	4.692	-	-	29	128.732
<i>Total, All Modifications</i>		24.025		18.144		18.456		4.692		0.000		128.732
<i>Procurement Cost (Procurement + Support)</i>		24.025		18.144		18.456		4.692		0.000		128.732
<i>Total Installation Cost</i>		3.341		6.788		8.639		7.043		1.801		48.481
<b>Total Cost (Procurement + Support + Installation)</b>		27.366		24.932		27.095		11.735		1.801		177.213

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - 8

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**  
<sup>(3)</sup>Production Lead Time: 17 months for first delivery / 12 months for follow-on. FY14 includes the procurement of a First Article Light Weight Low Cost Conformal Array (LCCA), which has an 18 month lead time - installation occurs in FY16.

**Manufacturer Information: SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Mar 2011	Mar 2012	Apr 2013				
Delivery Dates	Mar 2012	Mar 2013	Apr 2014				

<b>Installation:</b> SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	3	4.700	3	4.773	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	4	6.464	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	3	4.932	0	0.000	3	4.932
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3</b>	<b>4.700</b>	<b>3</b>	<b>4.773</b>	<b>4</b>	<b>6.464</b>	<b>3</b>	<b>4.932</b>	<b>0</b>	<b>0.000</b>	<b>3</b>	<b>4.932</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	6	9.473
FY 2011	-	-	-	-	-	-	-	-	-	-	4	6.464
FY 2012	-	-	-	-	-	-	-	-	-	-	3	4.932

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - 8

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2013	2	3.341	-	-	-	-	-	-	-	-	2	3.341
FY 2014	-	-	4	6.788	1	1.700	-	-	-	-	5	8.488
FY 2015	-	-	-	-	4	6.939	-	-	-	-	4	6.939
FY 2016	-	-	-	-	-	-	4	7.043	-	-	4	7.043
FY 2017	-	-	-	-	-	-	-	-	1	1.801	1	1.801
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	2	3.341	4	6.788	5	8.639	4	7.043	1	1.801	29	48.481

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	3	-	-	2	1	-	-	2	2	-	-	2	1	-	-	2	-	-	-	3	1	-	-	3	2	-	-	3	1	1	29
Out	3	-	-	2	1	-	-	2	2	-	-	2	1	-	-	2	-	-	-	3	1	-	-	3	2	-	-	3	1	1	29

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES - 9

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	236.754	59.162	42.383	36.961	0.000	36.961	64.635	65.288	56.492	55.264	15.600	632.539
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	236.754	59.162	42.383	36.961	0.000	36.961	64.635	65.288	56.492	55.264	15.600	632.539
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	236.754	59.162	42.383	36.961	0.000	36.961	64.635	65.288	56.492	55.264	15.600	632.539

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides technology insertion upgrade kits to previously A-RCI installed systems providing the latest and most current capability.

[SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES] Provides technology insertion upgrade kits to previously A-RCI installed systems providing the latest and most current capability.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES - 9

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES												
B Kits												
Recurring												
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES - NonOrganic <sup>(4)</sup>	38	183.454	8	41.272	5	26.205	5	26.650	-	-	5	26.650
<i>Subtotal Recurring</i>		183.454		41.272		26.205		26.650		0.000		26.650
<i>Total, SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES</i>	38	183.454	8	41.272	5	26.205	5	26.650	-	-	5	26.650
<i>Total, All Modifications</i>		183.454		41.272		26.205		26.650		0.000		26.650
<i>Procurement Cost (Procurement + Support)</i>		183.454		41.272		26.205		26.650		0.000		26.650
<i>Total Installation Cost</i>		53.300		17.890		16.178		10.311		0.000		10.311
<b>Total Cost (Procurement + Support + Installation)</b>		236.754		59.162		42.383		36.961		0.000		36.961

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES												
B Kits												
Recurring												
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES - NonOrganic <sup>(4)</sup>	10	54.210	8	44.104	7	39.242	7	39.914	-	-	88	455.051
<i>Subtotal Recurring</i>		54.210		44.104		39.242		39.914		0.000		455.051
<i>Total, SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES</i>	10	54.210	8	44.104	7	39.242	7	39.914	-	-	88	455.051

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES - 9

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Total, All Modifications</i>		54.210		44.104		39.242		39.914		0.000		455.051
<i>Procurement Cost (Procurement + Support)</i>		54.210		44.104		39.242		39.914		0.000		455.051
<i>Total Installation Cost</i>		10.425		21.184		17.250		15.350		15.600		177.488
<b>Total Cost (Procurement + Support + Installation)</b>		<b>64.635</b>		<b>65.288</b>		<b>56.492</b>		<b>55.264</b>		<b>15.600</b>		<b>632.539</b>

**Remarks:**  
(4) Provides technology insertion upgrade kits to previously A-RCI installed systems providing the latest and most current capability.

**Manufacturer Information: SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES**

Manufacturer Name: Lockheed Martin	Manufacturer Location: VA
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Mar 2011	Mar 2012	Apr 2013				
Delivery Dates	Mar 2012	Mar 2013	Apr 2014				

<b>Installation:</b> SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	29	53.300	9	17.890	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	8	16.178	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	5	10.311	0	0.000	5	10.311
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES - 9

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	29	53.300	9	17.890	8	16.178	5	10.311	0	0.000	5	10.311

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	38	71.190
FY 2011	-	-	-	-	-	-	-	-	-	-	8	16.178
FY 2012	-	-	-	-	-	-	-	-	-	-	5	10.311
FY 2013	5	10.425	-	-	-	-	-	-	-	-	5	10.425
FY 2014	-	-	10	21.184	-	-	-	-	-	-	10	21.184
FY 2015	-	-	-	-	8	17.250	-	-	-	-	8	17.250
FY 2016	-	-	-	-	-	-	7	15.350	-	-	7	15.350
FY 2017	-	-	-	-	-	-	-	-	7	15.600	7	15.600
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	10.425	10	21.184	8	17.250	7	15.350	7	15.600	88	177.488

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	29	-	3	3	3	-	2	3	3	-	-	3	2	-	-	3	2	-	-	5	5	-	-	4	4	-	-	4	3	7	88
Out	29	-	3	3	3	-	2	3	3	-	-	3	2	-	-	3	2	-	-	5	5	-	-	4	4	-	-	4	3	7	88



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - 10

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	8.000	3.060	0.000	3.060	8.274	3.165	8.558	11.977	3.329	46.363
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	8.000	3.060	0.000	3.060	8.274	3.165	8.558	11.977	3.329	46.363
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>8.000</b>	<b>3.060</b>	<b>0.000</b>	<b>3.060</b>	<b>8.274</b>	<b>3.165</b>	<b>8.558</b>	<b>11.977</b>	<b>3.329</b>	<b>46.363</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Inserts Tech Insertions onto Seawolf Class Submarines.

[SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS] Inserts Tech Insertions onto Seawolf Class Submarines.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - 10

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS												
B Kits												
Recurring												
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - NonOrganic	-	-	-	-	1	8.000	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		8.000		0.000		0.000		0.000
<i>Total, SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS</i>	-	-	-	-	1	8.000	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		8.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		8.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		3.060		0.000		3.060
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>8.000</b>		<b>3.060</b>		<b>0.000</b>		<b>3.060</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS												
B Kits												
Recurring												
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - NonOrganic	1	8.274	-	-	1	8.558	1	8.704	-	-	4	33.536
<i>Subtotal Recurring</i>		8.274		0.000		8.558		8.704		0.000		33.536
<i>Total, SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS</i>	1	8.274	-	-	1	8.558	1	8.704	-	-	4	33.536
<i>Total, All Modifications</i>		8.274		0.000		8.558		8.704		0.000		33.536
<i>Procurement Cost (Procurement + Support)</i>		8.274		0.000		8.558		8.704		0.000		33.536
<i>Total Installation Cost</i>		0.000		3.165		0.000		3.273		3.329		12.827
<b>Total Cost (Procurement + Support + Installation)</b>		<b>8.274</b>		<b>3.165</b>		<b>8.558</b>		<b>11.977</b>		<b>3.329</b>		<b>46.363</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - 10

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information:** SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS

Manufacturer Name: Lockheed Martin	Manufacturer Location: VA
Administrative Leadtime ( <i>in Months</i> ): 2	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Mar 2012					
Delivery Dates		Mar 2013					

<b>Installation:</b> SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	1	3.060	0	0.000	1	3.060
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	1	3.060	0	0.000	1	3.060

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	3.060
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	1	3.165	-	-	-	-	-	-	1	3.165

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2		<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics
		<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - 10

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	1	3.273	-	-	1	3.273
FY 2017	-	-	-	-	-	-	-	-	1	3.329	1	3.329
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	1	3.165	-	-	1	3.273	1	3.329	4	12.827

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	1	4
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	1	4

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - 11

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	29.900	30.510	31.034	31.538	0.000	31.538	6.224	13.145	3.214	0.000	0.000	145.565
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	29.900	30.510	31.034	31.538	0.000	31.538	6.224	13.145	3.214	0.000	0.000	145.565
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>29.900</b>	<b>30.510</b>	<b>31.034</b>	<b>31.538</b>	<b>0.000</b>	<b>31.538</b>	<b>6.224</b>	<b>13.145</b>	<b>3.214</b>	<b>0.000</b>	<b>0.000</b>	<b>145.565</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides initial technology insertion upgrade for A-RCI installed systems on the VA Class, providing the latest and most current capability.

[SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS] Provides initial technology insertion upgrade for A-RCI installed systems on the VA Class, providing the latest and most current capability.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - 11

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS												
B Kits												
Recurring												
2.1.1) SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - NonOrganic <sup>(5)</sup>	2	24.000	2	24.600	2	24.994	2	25.418	-	-	2	25.418
<i>Subtotal Recurring</i>		24.000		24.600		24.994		25.418		0.000		25.418
<i>Total, SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS</i>	2	24.000	2	24.600	2	24.994	2	25.418	-	-	2	25.418
<i>Total, All Modifications</i>		24.000		24.600		24.994		25.418		0.000		25.418
<i>Procurement Cost (Procurement + Support)</i>		24.000		24.600		24.994		25.418		0.000		25.418
<i>Total Installation Cost</i>		5.900		5.910		6.040		6.120		0.000		6.120
<b>Total Cost (Procurement + Support + Installation)</b>		29.900		30.510		31.034		31.538		0.000		31.538

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS												
B Kits												
Recurring												
2.1.1) SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - NonOrganic <sup>(5)</sup>	-	-	1	13.145	-	-	-	-	-	-	9	112.157
<i>Subtotal Recurring</i>		0.000		13.145		0.000		0.000		0.000		112.157
<i>Total, SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS</i>	-	-	1	13.145	-	-	-	-	-	-	9	112.157
<i>Total, All Modifications</i>		0.000		13.145		0.000		0.000		0.000		112.157
<i>Procurement Cost (Procurement + Support)</i>		0.000		13.145		0.000		0.000		0.000		112.157

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - 11

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
Total Installation Cost		6.224		0.000		3.214		0.000		0.000		33.408
<b>Total Cost (Procurement + Support + Installation)</b>		<b>6.224</b>		<b>13.145</b>		<b>3.214</b>		<b>0.000</b>		<b>0.000</b>		<b>145.565</b>

**Remarks:**

<sup>(5)</sup>Provides initial technology insertion upgrade for A-RCI installed systems on the VA Class, providing the latest and most current capability.

**Manufacturer Information: SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS**

Manufacturer Name: Lockheed Martin				Manufacturer Location: VA			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Mar 2011	Mar 2012	Apr 2013				
Delivery Dates	Mar 2012	Mar 2013	Apr 2014				

<b>Installation:</b> SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	2	5.900	2	5.910	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	2	6.040	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	6.120	0	0.000	2	6.120
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2</b>	<b>5.900</b>	<b>2</b>	<b>5.910</b>	<b>2</b>	<b>6.040</b>	<b>2</b>	<b>6.120</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>6.120</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - 11

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	4	11.810
FY 2011	-	-	-	-	-	-	-	-	-	-	2	6.040
FY 2012	-	-	-	-	-	-	-	-	-	-	2	6.120
FY 2013	2	6.224	-	-	-	-	-	-	-	-	2	6.224
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	1	3.214	-	-	-	-	1	3.214
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2</b>	<b>6.224</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>3.214</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11</b>	<b>33.408</b>

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	2	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	11
Out	2	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	11



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - 12

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	19.660	28.409	43.878	39.173	9.400	140.520
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	19.660	28.409	43.878	39.173	9.400	140.520
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>19.660</b>	<b>28.409</b>	<b>43.878</b>	<b>39.173</b>	<b>9.400</b>	<b>140.520</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides technology insertion upgrade kits to previously A-RCI installed systems on the VA Class, providing the latest and most current capability. In FY14, due to C5I schedule, procurement and installation take place in the same year.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - 12

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS												
B Kits												
Recurring												
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - NonOrganic <sup>(6)</sup>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS												
B Kits												
Recurring												
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - NonOrganic <sup>(6)</sup>	2	16.548	3	25.244	4	34.232	3	26.112	-	-	12	102.136
<i>Subtotal Recurring</i>		16.548		25.244		34.232		26.112		0.000		102.136
<i>Total, SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS</i>	2	16.548	3	25.244	4	34.232	3	26.112	-	-	12	102.136
<i>Total, All Modifications</i>		16.548		25.244		34.232		26.112		0.000		102.136

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - 12

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>										
<b>Financial Plan</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<i>Procurement Cost (Procurement + Support)</i>		16.548		25.244		34.232		26.112		0.000		102.136
<i>Total Installation Cost</i>		3.112		3.165		9.646		13.061		9.400		38.384
<b>Total Cost (Procurement + Support + Installation)</b>		<b>19.660</b>		<b>28.409</b>		<b>43.878</b>		<b>39.173</b>		<b>9.400</b>		<b>140.520</b>

**Remarks:**

<sup>(6)</sup>Provides technology insertion upgrade kits to previously A-RCI installed systems on the VA Class, providing the latest and most current capability. In FY14, due to C5I schedule, procurement and installation take place in the same year.

<b>Manufacturer Information: SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: VA			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

<b>Installation:</b> SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS				<b>Method of Implementation:</b> SHIPALT				<b>Installation Name:</b> SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS				
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2		<b>P-1 Line Item Nomenclature:</b> 2147 - SSN Acoustics
<b>Modification Nomenclature</b> (Modification Title, Modification Number): SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - 12		

<b>Models of Systems Affected:</b> SSN ACOUSTICS	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS	<b>Method of Implementation:</b> SHIPALT	<b>Installation Name:</b> SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	1	3.112	1	3.165	-	-	-	-	-	-	2	6.277
FY 2015	-	-	-	-	3	9.646	-	-	-	-	3	9.646
FY 2016	-	-	-	-	-	-	4	13.061	-	-	4	13.061
FY 2017	-	-	-	-	-	-	-	-	3	9.400	3	9.400
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	3.112	1	3.165	3	9.646	4	13.061	3	9.400	12	38.384

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	3	-	-	-	4	-	3	12
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	3	-	-	-	4	-	3	12	

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars	<b>P-1 Line Item Nomenclature:</b> 2176 - Undersea Warfare Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0603512N, 0604518N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	83.228	27.095	25.686	17.035	-	17.035	9.601	9.721	9.868	10.064	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	83.228	27.095	25.686	17.035	-	17.035	9.601	9.721	9.868	10.064	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	83.228	27.095	25.686	17.035	-	17.035	9.601	9.721	9.868	10.064	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.459	0.461	0.428	-	0.428	0.252	0.104	0.129	0.160	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

**VM201- ACOUSTIC COMMUNICATIONS (ACOMMS):**

Acoustic Communications provides two-way and one-way acoustic communications equipment for submarines and surface ships. The equipment consists of: (1) AN/WQC-2/2A, a stand alone, single side band, general purpose, voice, continuous wave, multiple tone communication for surface ships, submarines, and shore activities; (2) AN/WQC-6, which provides long range coded signaling from surface ASW ships to attack submarines when interfaced with the AN/SQS-53 and AN/BQQ-5; (3) AN/BQC-1, a stand-alone emergency voice and signal beacon for submarines; and (4) technical improvements (Engineering Changes (ECs)) to acoustic communication equipment. Funding will provide for continued procurement of both Probe Alert (AN/WQC-6) improvements and AN/WQC-2A ECs, plus associated production engineering support and consulting services for the SSN 21, SSN 688, SSN 774, SSBN 726, SSGN 726, DDG 51, CG 47, MCM 1, FFG 7, and CVN 68 class ships and submarines.

**VM301 - AIRCRAFT CARRIER TACTICAL SUPPORT CENTER (CV-TSC):**

The AN/SQQ-34 Aircraft Carrier Tactical Support Center (CV-TSC) program provides increased situational awareness to the Carrier Strike Group (CSG) in support of force protection, primarily in the area of Anti Submarine Warfare (ASW). Through the integration of off-board sensors and signal, data and display processors, the AN/SQQ-34 is utilized in detecting, classifying, and localizing threats. An integrated element of the Carrier Combat System, the AN/SQQ-34 supports the tactical deployment of embarked ASW and Surface Warfare (SUW) assets (S-3B until retirement, SH-60F helicopter). The program is providing technical refreshes to legacy AN/SQQ-34 systems on all Carriers and shore sites in support of fleet introduction and shipboard integration of the MH-60R Multi Mission Helicopter. Upgrades to legacy systems will enable exchange of sensor, tactical and imagery data with the MH-60R initially and eventually with P-8 and BAMS aircraft. It completes the Kill Chain by linking sensor platform to sensor controllers and the ASW/SUW warfare commanders.

In order to support multiple MH-60R Multi Mission Helicopters, the Common Data Link (CDL) will also be upgraded. CDL is the Navy Carrier ultra wide-band, digital, secure data link, comprised of radio equipment that provides configuration-controlled and standardized wide-band, digital, and secure communication paths between multiple reconnaissance sensors and their users. Initially, a single User Interface Group (UIG) upgrade to CDL will be fielded in concert with CV-TSC/MH-60R deployments, providing a single MH-60R/aircraft link. Beginning in FY12, 2 additional UIGs and antennas will allow dual simultaneous mission connectivity to CV-TSC.

**VM401 - SURFACE SONAR WINDOWS AND DOMES:**

AN/SQS-26/53 Sonar Dome Rubber Windows (SDRW) are installed on CG47 and DDG51 class ships. This program provides emergency replacement, wire-reinforced, pressurized rubber acoustic windows and attachment hardware, which experience failure due to corrosion, fatigue, and impact in the splice region. The SDRW significantly improves the surface ship sonar performance by reducing flow-induced self-noise and by providing increased source level receiving and sensitivity resulting from reduced attenuation. AN/SQS-56 Sonar Rubber Domes (SRD) and Sonar Composite Dome (SCD)-56 Composite Keel Domes are installed on FFG7 class ships. This program provides emergency replacement SCD-56's for AN/SQS-56 active/passive duct sonar systems; fabrication of replacement mold sets required for future bow and keel dome production; production engineering in support of technical evaluations, failure analyses, implementation of the in-water one-side backscatter X-ray program, Government Furnished

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 2 : Ship Sonars

**P-1 Line Item Nomenclature:**  
2176 - Undersea Warfare Support Equipment

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0603512N, 0604518N

Equipment (GFE) refurbishments, and field service engineering; complete engineering design work and provide material tests. This program also provides drawings, configuration management information, new design and fabrication technology, incorporation of lessons learned and required testing; and construct sub-element to confirm single stage cure.

**VM601 - UNDERSEA WARFARE-DECISION SUPPORT SYSTEM (USW-DSS):**

The USW-DSS program provides an integrated, near-real time, net-centric USW (Anti-Submarine Warfare (ASW) & Mine Warfare (MIW)) Command and Control (C2) capability across multiple platforms (Surface, SSN, Maritime Patrol and Reconnaissance Aircraft (MPRA), Theater and Surveillance) and is capable even with low bandwidth or intermittent inter-platform communications. USW-DSS will provide a critical C2 capability for the Sea Combat (SCC), Theater USW (TUSWC), and Anti-Submarine Warfare (ASWC) Commanders. It will provide the Fleet with full capability to plan and conduct USW operations and enables alignment of sensors for exploitation of the environment, allocation of resources, optimization of operations and risk, and vulnerability assessment contributing to increased lethality and survivability through improved asset allocation, optimized sensor placement and situational awareness. This capability will provide USW Commanders with an expanded net-centric USW toolset reaching across all Carrier Strike Group (CSG) platforms (CVNs, CG/DDGs, SSNs, IUSS, MPRA) as well as supporting shore nodes and theater assets including Theater Surface Combatants (TSC), Training, Naval Oceanographic Processing Facility (NOPF), and Commander Task Force (CTF). Funding identified provides for the procurement and installation of USW-DSS capability on CSG platforms and supporting shore nodes via permanent ship alterations (SHIPALTs). Beginning in FY09, USW-DSS initiated transition to a software application hosted on afloat platforms' shipboard network, the Integrated Shipboard Network System (ISNS) initially, followed by Consolidated Afloat Network and Enterprise Services (CANES). The program is included in the Littoral and Maritime Operations Mission Capability Package (MCP) under the {tab}Joint Command and Control (JC2) construct.

Due to a reprioritization of requirements based on results of the Resources/Requirements Review Board (R3B) and the Sponsor's Program Proposal (SPP), the program will enter the sustainment phase after operational test and evaluation of USW-DSS Build 2 Release 3 in early FY13. FY13 will focus on establishing the Software Support Activity at Naval Undersea Warfare Center (NUWC) Keyport, Washington.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Undersea Warfare Support Equipment (See enclosed P-40A)	P40A, P5A				50.117			9.723			9.946			8.687			0.000			8.687
VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS - 1	P3A		-	-	33.111	-	-	17.372	-	-	15.740	-	-	8.348	-	-	0.000	-	-	8.348
<b>Total Gross/Weapon System Cost</b>					<b>83.228</b>			<b>27.095</b>			<b>25.686</b>			<b>17.035</b>			<b>-</b>			<b>17.035</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Undersea Warfare Support Equipment (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS - 1	P3A		-	-	0.350	-	-	0.358	-	-	0.398	-	-	0.407	-	-	0.000	-	-	76.084



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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2					P-1 Line Item Nomenclature: 2176 - Undersea Warfare Support Equipment										Aggregated Item Name: Undersea Warfare Support Equipment				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) VM201 - ACOUSTIC COMMUNICATIONS (ACOMMS)</b>																			
1.1) Acoustic Communications	A	-	-	1.478	-	-	0.304	-	-	0.311	-	-	0.327	-	-	-	-	-	0.327
1.2) Production Support	A	-	-	0.644	-	-	0.151	-	-	0.139	-	-	0.130	-	-	-	-	-	0.130
<i>Subtotal 1) VM201 - ACOUSTIC COMMUNICATIONS (ACOMMS)</i>				2.122			0.455		0.450			0.457			0.000				0.457
<b>2) VM401 - SURFACE SONAR WINDOWS AND DOMES</b>																			
† 2.1) Surface Sonar Windows and Domes <sup>(1)</sup>	A	-	-	12.988	1,634K	2	3.268	1,671K	3	5.013	1,690K	2	3.380	-	-	-	1,690K	2	3.380
2.2) Sonar Composite Mold	A	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.3) Sonar Composite Dome <sup>(2)</sup>	A	-	-	3.324	1,151K	2	2.302	-	-	-	1,180K	2	2.360	-	-	-	1,180K	2	2.360
2.4) Production Support	A	-	-	7.360	-	-	1.099	-	-	1.054	-	-	0.433	-	-	-	-	-	0.433
<i>Subtotal 2) VM401 - SURFACE SONAR WINDOWS AND DOMES</i>				25.672			6.669		6.067			6.173			0.000				6.173
<b>3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)</b>																			
† 3.1) Carrier Strike Group (CSG) Shipsets <sup>(3)</sup>	A	-	-	11.557	-	-	-	255,000.00	1	0.255	-	-	-	-	-	-	-	-	-
† 3.2) ISNS/ CANES S/W Shipsets <sup>(4)</sup>	A	-	-	1.110	52,000.00	9	0.468	54,000.00	10	0.540	-	-	-	-	-	-	-	-	-
3.3) Shore Sites and Tactical Trainers <sup>(5)</sup>	A	-	-	2.373	-	-	1.272	-	-	-	-	-	-	-	-	-	-	-	-
3.4) Engineering Changes (Builds 1 & 2 Systems) <sup>(6)</sup>	A	-	-	0.639	-	-	0.330	-	-	0.675	-	-	-	-	-	-	-	-	-



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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 2

**P-1 Line Item Nomenclature:**  
2176 - Undersea Warfare Support Equipment

**Aggregated Item Name:**  
Undersea Warfare Support Equipment

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.5) System Technical Support (7)	A	-	-	-	-	-	-	-	-	1.059	-	-	1.394	-	-	-	-	-	1.394
3.6) Production Support (8)	A	-	-	6.644	-	-	0.529	-	-	0.900	-	-	0.663	-	-	-	-	-	0.663
<i>Subtotal 3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)</i>				22.323			2.599			3.429			2.057			0.000			2.057
<b>Total</b>				<b>50.117</b>			<b>9.723</b>			<b>9.946</b>			<b>8.687</b>			<b>0.000</b>			<b>8.687</b>

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2				P-1 Line Item Nomenclature: 2176 - Undersea Warfare Support Equipment										Aggregated Item Name: Undersea Warfare Support Equipment					
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) VM201 - ACOUSTIC COMMUNICATIONS (ACOMMS)</b>																			
1.1) Acoustic Communications	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Production Support	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) VM201 - ACOUSTIC COMMUNICATIONS (ACOMMS)				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) VM401 - SURFACE SONAR WINDOWS AND DOMES</b>																			
† 2.1) Surface Sonar Windows and Domes <sup>(1)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Sonar Composite Mold	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.3) Sonar Composite Dome <sup>(2)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Production Support	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) VM401 - SURFACE SONAR WINDOWS AND DOMES				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)</b>																			
† 3.1) Carrier Strike Group (CSG) Shipsets <sup>(3)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 3.2) ISNS/ CANES S/W Shipsets <sup>(4)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) Shore Sites and Tactical Trainers <sup>(5)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) Engineering Changes (Builds 1 & 2 Systems) <sup>(6)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2176 - Undersea Warfare Support Equipment	<b>Aggregated Item Name:</b> Undersea Warfare Support Equipment
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Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.5) System Technical Support (7)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) Production Support (8)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

- (1)VM401 - Surface Sonar Windows and Domes/Surface Sonar Windows and Domes: Procure SDRWs, shipping fixtures, and fairing angles for emergency replacement on CG47 and DDG51 class hulls.
- (2)VM401 - Surface Sonar Windows and Domes/Sonar Composite Dome: Procure Sonar Composite Domes (SCD-56) and transportation fixtures for emergency replacement on FFG7 class hulls.
- (3)VM601 - USW-DSS/Carrier Strike Group (CSG) Shipsets: Consists of the complete USW-DSS rack (hardware, software and supporting equipment). FY11 and FY12 systems will carry Build 2 software.
- (4)VM601 - USW-DSS/ISNS/CANES S/W Shipsets: Consists of USW-DSS Build 2 software load onto ISNS/CANES platforms. Schedule is dependent upon/coordinated with ISNS/CANES fielding.
- (5)VM601 - USW-DSS/Shore Sites and Tactical Trainers: Consists of USW-DSS Build 2 shore/lab assets and Tactical Training Equipment systems, which are full hardware/software systems.
- (6)VM601 - USW-DSS/Engineering Changes (Builds 1 & 2 Systems): Consists of Engineering Change Proposals (ECPs) and hardware/software changes/upgrades. Software will be upgraded to the USW-DSS Build 2. Funding will be used to support Reliability, Maintainability, and Availability (RM&A) modifications; correct deficiencies identified through Fleet use and upgrade unreliable components.
- (7)VM601 - USW-DSS/System Technical Support: Funding is for the USW-DSS program Software Support Activity efforts in performing the following functions: generation/assessment of Software Problem Reports (SPRs)/Software Trouble Reports (STRs); responding to Fleet software Change Requests (CR); Configuration Management (CM); software Quality Assurance (QA); software installation automation; and software recovery support.
- (8)VM601 - USW-DSS/Production Support: Consists of on-site engineering support; CANES Integrated Product Team (IPT) Support; Information Assurance (IA) certification support; production quality assurance; System Sustainability Support; Integrated Logistics Support (ILS) product updates/support; status reporting and technical briefings; program office support; and all other production support efforts directly related to delivery of USW-DSS to both ISNS/CANES and ultimately the Fleet.

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2				P-1 Line Item Nomenclature: 2176 - Undersea Warfare Support Equipment						Aggregated Item Name: Undersea Warfare Support Equipment		
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>2) VM401 - SURFACE SONAR WINDOWS AND DOMES</b>												
2.1) Surface Sonar Windows and Domes		2011	Goodrich / Jacksonville, FL	SS / FP	NAVSEAN	Jan 2011	Jan 2012	2	1,634,000.00	Y		
2.1) Surface Sonar Windows and Domes		2012	Goodrich / Jacksonville, FL	SS / FP	NAVSEA	Jan 2012	Jan 2013	3	1,671,000.00	Y		
2.1) Surface Sonar Windows and Domes		2013	Goodrich / Jacksonville, FL	SS / FP	NAVSEA	Nov 2012	Nov 2013	2	1,690,000.00	Y		
2.3) Sonar Composite Dome		2011	Goodrich / Jacksonville, FL	SS / FP	NAVSEA	Jan 2011	Jan 2012	2	1,151,000.00	Y		
2.3) Sonar Composite Dome		2013	Goodrich / Jacksonville, FL	SS / FP	NAVSEA	Nov 2012	Nov 2013	2	1,180,000.00	Y		
<b>3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)</b>												
3.1) Carrier Strike Group (CSG) Shipsets		2012	Progeny / Virginia	SS / FP	NAVSEA	Jan 2012	Aug 2012	1	255,000.00	Y		
3.2) ISNS/CANES S/W Shipsets		2011	NUWC/Keyport / Keyport, WA	WR	N/A	Jan 2011	Apr 2011	9	52,000.00	Y		
3.2) ISNS/CANES S/W Shipsets		2012	NUWC/Keyport / Keyport, WA	WR	N/A	Jan 2012	Apr 2012	10	54,000.00	Y		
<b>Remarks:</b>												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2176 - Undersea Warfare Support Equipment	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0603512N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	33.111	17.372	15.740	8.348	0.000	8.348	0.350	0.358	0.398	0.407	0.000	76.084
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	33.111	17.372	15.740	8.348	0.000	8.348	0.350	0.358	0.398	0.407	0.000	76.084
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>33.111</b>	<b>17.372</b>	<b>15.740</b>	<b>8.348</b>	<b>0.000</b>	<b>8.348</b>	<b>0.350</b>	<b>0.358</b>	<b>0.398</b>	<b>0.407</b>	<b>0.000</b>	<b>76.084</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[AN/SQQ-34C MH-60R Mission Integration (with CDL Modifications)] Funding identified provides for the procurement of Carrier Based Tactical Support Center (CV-TSC) AN/SQQ-34C with MH-60R capability for those CVNs with legacy CV-TSC systems (AN/SQQ-34A or AN/SQQ-34B).

To accommodate MH-60R upgrades on the Aircraft Carrier, the existing Common Data Link System (CDLS) requires an equipment upgrade that provides an additional User Interface Group (UIG) connection to the Aircraft Carrier Tactical Support Center (CV-TSC) and an additional link to support pre-flight verification of the systems. As the result of a cost-savings measure and a new initiative by N2N6 to introduce a new multi-link common data link program to the Aircraft Carrier in FY15, the current CDLS upgrade is being limited to the additional UIG and pre-flight verification equipment which is being installed as part of the CV-TSC equipment upgrades.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2					<b>P-1 Line Item Nomenclature:</b> 2176 - Undersea Warfare Support Equipment					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS - 1				
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> Added Capability					<b>Related RDT&amp;E PEs:</b> 0603512N						
<b>Financial Plan</b>			<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
			<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )
<b>Procurement</b>														
VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS														
B Kits														
Recurring														
1.1.1 AN/SQQ-34C MH-60R Mission Integration (with CDL Modifications) - NonOrganic			4	10.232	2	8.922	2	8.988	-	-	-	-	-	-
<i>Subtotal Recurring</i>				10.232		8.922		8.988		0.000		0.000		0.000
NonRecurring														
1.2.1 AN/SQQ-34C MH-60R Mission Integration - Lab/Shore Site Systems - Organic			-	3.395	-	-	-	-	-	-	-	-	-	-
<i>Subtotal NonRecurring</i>				3.395		0.000		0.000		0.000		0.000		0.000
<i>Total, VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS</i>			4	13.627	2	8.922	2	8.988	-	-	-	-	-	-
<i>Total, All Modifications</i>				13.627		8.922		8.988		0.000		0.000		0.000
<b>Support</b>														
2.1) Technology Insert/Refresh			-	9.539	-	-	-	-	-	-	-	-	-	-
2.2) Production Engineering/Support			-	9.945	-	0.546	-	0.872	-	0.980	-	-	-	0.980
<i>Total Support Cost</i>				19.484		0.546		0.872		0.980		0.000		0.980
<i>Procurement Cost (Procurement + Support)</i>				33.111		9.468		9.860		0.980		0.000		0.980
<i>Total Installation Cost</i>				0.000		7.904		5.880		7.368		0.000		7.368
<b>Total Cost (Procurement + Support + Installation)</b>				33.111		17.372		15.740		8.348		0.000		8.348
<b>Financial Plan</b>			<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
			<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )
<b>Procurement</b>														
VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS														

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2176 - Undersea Warfare Support Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0603512N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
B Kits												
Recurring												
1.1.1) AN/SQQ-34C MH-60R Mission Integration (with CDL Modifications) - NonOrganic	-	-	-	-	-	-	-	-	-	-	8	28.142
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		28.142
NonRecurring												
1.2.1) AN/SQQ-34C MH-60R Mission Integration - Lab/Shore Site Systems - Organic	-	-	-	-	-	-	-	-	-	-	-	3.395
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.000		0.000		3.395
<i>Total, VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS</i>	-	-	-	-	-	-	-	-	-	-	8	31.537
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		31.537
<b>Support</b>												
2.1) Technology Insert/Refresh	-	0.350	-	0.358	-	0.398	-	0.407	-	-	-	11.052
2.2) Production Engineering/Support	-	-	-	-	-	-	-	-	-	-	-	12.343
<i>Total Support Cost</i>		0.350		0.358		0.398		0.407		0.000		23.395
<i>Procurement Cost (Procurement + Support)</i>		0.350		0.358		0.398		0.407		0.000		54.932
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		21.152
<b>Total Cost (Procurement + Support + Installation)</b>		0.350		0.358		0.398		0.407		0.000		76.084

**Remarks:**

**Manufacturer Information: VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS**

Manufacturer Name: NUWC/Keyport	Manufacturer Location: Keyport, WA
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 9

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Nov 2010	Jan 2012	Nov 2012				
Delivery Dates	Aug 2011	Nov 2012	Aug 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2176 - Undersea Warfare Support Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0603512N
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<b>Installation:</b> VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS	<b>Method of Implementation:</b> SHIPYARD & AIT	<b>Installation Name:</b> AN/SQQ-34C MH-60R Mission Integration (with CDL Modifications)
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	4	7.904	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	2	5.880	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	7.368	0	0.000	2	7.368
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	4	7.904	2	5.880	2	7.368	0	0.000	2	7.368

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	4	7.904
FY 2011	-	-	-	-	-	-	-	-	-	-	2	5.880
FY 2012	-	-	-	-	-	-	-	-	-	-	2	7.368
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	8	21.152



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2176 - Undersea Warfare Support Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0603512N
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<b>Installation:</b> VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS	<b>Method of Implementation:</b> SHIPYARD & AIT	<b>Installation Name:</b> AN/SQQ-34C MH-60R Mission Integration (with CDL Modifications)
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	3	1	-	-	-	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	1	2	1	-	-	-	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 2 : Ship Sonars

**P-1 Line Item Nomenclature:**  
2181 - Sonar Switches and Transducers

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	60.049	12.985	13.537	13.410	-	13.410	13.297	13.262	13.504	13.849	0.000	153.893
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	60.049	12.985	13.537	13.410	-	13.410	13.297	13.262	13.504	13.849	0.000	153.893
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	60.049	12.985	13.537	13.410	-	13.410	13.297	13.262	13.504	13.849	0.000	153.893
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.420	0.272	0.563	-	0.563	0.599	0.533	0.702	0.411	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program procures hydrophones, transducers, cables, associated Out-Board Electronics bottles (OBE), and acoustic windows for In-Service Undersea Warfare Sonars on all classes of submarines. The components are required to support units in the fleet on a replacement basis, at regularly scheduled ship overhauls, and at interim availabilities when units are defective, and for upgrades.

[P40A / PU100 SONAR SWITCHES AND TRANSDUCERS]: Included in this line are procurements of transducers, hydrophones, windows, cables, Out-Board Electronics (OBE), and domes and their associated mounting hardware and other support equipment and materials for the following Undersea Warfare Sonars: BSY-1, BSY-2, BQQ-5 BQQ-6, BQQ-10, BQG-5, BQS-15, BQS-14A, WQC-2, WLR-9/12, BQN-13, BQN-17, BQA-8, and BQH-1.

[P40A / PU200 ENGINEERING CHANGES]: Funds ECPs, Value Engineering awards, and hardware changes affecting the SSN 688, 688I, SSN 21, SSBN 726 (TRIDENT) and VA class submarines.

[P40A / PU300 PROGRAM SUPPORT]: Supports the procurement of equipment of sonar hydrophones, transducers, cables, Out-Board Electronics, and acoustic windows for In-Service Undersea Warfare Sonars.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Sonar Switches and Transducers (See enclosed P-40A)	P40A, P5A				60.049			12.985			13.537			13.410			0.000			13.410
<b>Total Gross/Weapon System Cost</b>				<b>60.049</b>			<b>12.985</b>			<b>13.537</b>			<b>13.410</b>			<b>-</b>			<b>13.410</b>	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars	<b>P-1 Line Item Nomenclature:</b> 2181 - Sonar Switches and Transducers	

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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**Justification:**

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2				P-1 Line Item Nomenclature: 2181 - Sonar Switches and Transducers										Aggregated Item Name: Sonar Switches and Transducers					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) PU100 SONAR SWITCHES AND TRANSDUCERS</b>																			
† 1.1) TR-353	A	-	-	-	-	-	-	-	-	-	6,000.00	100	0.600	-	-	-	6,000.00	100	0.600
† 1.2) CW-1147 DOME	A	-	-	-	-	-	-	-	-	-	18,000.00	10	0.180	-	-	-	18,000.00	10	0.180
† 1.3) CW-1181E DOME	A	-	-	-	-	-	-	-	-	-	5,000.00	18	0.090	-	-	-	5,000.00	18	0.090
† 1.4) DT-574 100FT	A	-	-	-	-	-	-	-	-	-	2,000.00	100	0.200	-	-	-	2,000.00	100	0.200
† 1.5) MX-12309 SSGN HFSA WINDOW	A	-	-	-	-	-	-	-	-	-	173,000.00	1	0.173	-	-	-	173,000.00	1	0.173
1.6) CABLES	A	-	-	-	-	-	-	-	-	-	-	-	0.796	-	-	-	-	-	0.796
† 1.7) DT-574 50FT	A	-	-	-	-	-	-	-	-	-	530.00	250	0.132	-	-	-	530.00	250	0.132
† 1.8) CW-1181C	A	-	-	0.547	5,000.00	32	0.160	5,000.00	18	0.090	5,000.00	20	0.100	-	-	-	5,000.00	20	0.100
† 1.9) MX-10624	A	-	-	0.218	13,000.00	25	0.325	13,000.00	4	0.052	13,000.00	10	0.130	-	-	-	13,000.00	10	0.130
† 1.10) MX-10616	A	-	-	1.088	168,000.00	1	0.168	169,000.00	2	0.338	-	-	-	-	-	-	-	-	-
† 1.11) WINDOW (NSSN HFSA)	A	-	-	0.338	180,000.00	1	0.180	183,000.00	2	0.366	-	-	-	-	-	-	-	-	-
† 1.12) MX-11474	A	-	-	0.355	189,000.00	1	0.189	191,000.00	2	0.382	194,000.00	1	0.194	-	-	-	194,000.00	1	0.194
† 1.13) DT-574OBE	A	-	-	2.443	-	-	-	16,000.00	20	0.320	16,000.00	25	0.400	-	-	-	16,000.00	25	0.400
† 1.14) DT-511B	A	-	-	0.454	-	-	-	-	-	-	27,333.33	18	0.492	-	-	-	27,333.33	18	0.492
† 1.15) DT-592	A	-	-	1.118	38,000.00	12	0.456	39,000.00	5	0.195	39,000.00	23	0.897	-	-	-	39,000.00	23	0.897
† 1.16) TR-233B	A	-	-	1.640	9,000.00	59	0.531	9,000.00	60	0.540	-	-	-	-	-	-	-	-	-
1.17) TR-282	A	-	-	1.290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.18) TR-302B & CBL	A	-	-	3.216	21,000.00	25	0.525	21,357.14	42	0.897	22,000.00	20	0.440	-	-	-	22,000.00	20	0.440
† 1.19) TR-302 (WINDOW)	A	-	-	0.022	1,000.00	10	0.010	1,000.00	19	0.019	1,000.00	23	0.023	-	-	-	1,000.00	23	0.023
1.20) TR-321	A	-	-	0.821	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.21) TR-321 V CTD	A	-	-	4.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.22) TR-338 & CBL	A	-	-	3.215	22,000.00	18	0.396	22,000.00	24	0.528	23,000.00	20	0.460	-	-	-	23,000.00	20	0.460
† 1.23) TR-341	A	-	-	5.604	17,000.00	40	0.680	17,000.00	47	0.799	-	-	-	-	-	-	-	-	-
† 1.24) WAA OBE	A	-	-	0.725	1,000.00	30	0.030	-	-	-	1,000.00	36	0.036	-	-	-	1,000.00	36	0.036
† 1.25) NCC CONNECTORS	A	-	-	1.606	1,000.00	481	0.481	1,000.00	442	0.442	1,000.00	100	0.100	-	-	-	1,000.00	100	0.100
† 1.26) DT-699 HFSA RECEIVE	A	-	-	3.063	68,000.00	10	0.680	69,350.00	17	1.179	70,000.00	20	1.400	-	-	-	70,000.00	20	1.400

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 2 **P-1 Line Item Nomenclature:** 2181 - Sonar Switches and Transducers **Aggregated Item Name:** Sonar Switches and Transducers

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
† 1.27) TR-364 HFSP XMIT	A	-	-	0.756	146,000.00	5	0.730	148,000.00	1	0.148	151,000.00	1	0.151	-	-	-	151,000.00	1	0.151
† 1.28) TR-317	A	-	-	15.385	4,000.00	1,155	4.620	4,000.00	1,110	4.440	4,001.03	968	3.873	-	-	-	4,001.03	968	3.873
† 1.29) TR-281	A	-	-	0.340	21,000.00	10	0.210	21,400.00	10	0.214	-	-	-	-	-	-	-	-	-
1.30) DT-592 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.31) TR-233 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.32) TR-302 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.33) TR-321 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.34) TR-338 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.35) TR-341 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.36) TR-317 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.37) TR-353 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.38) TR-281 FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.39) TR-282 FIRST ARTICLE	A	-	-	-	-	-	-	-	-	-	100,000.00	3	0.300	-	-	-	100,000.00	3	0.300
† 1.40) DT-513	A	-	-	1.536	4,000.00	3	0.012	4,000.00	127	0.508	4,000.00	130	0.520	-	-	-	4,000.00	130	0.520
1.41) DT-574 50FT FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.42) DT-574 100FT FIRST ARTICLE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.43) TR-321 V CTD FIRST ARTICLE	A	-	-	-	-	-	-	-	-	-	100,000.00	3	0.300	-	-	-	100,000.00	3	0.300
† 1.44) DT-100 HFSA RECEIVE	A	-	-	-	-	-	-	-	-	-	75,000.00	3	0.225	-	-	-	75,000.00	3	0.225
<i>Subtotal 1) PU100 SONAR SWITCHES AND TRANSDUCERS</i>				49.796			10.383			11.457			12.212			0.000			12.212
<b>2) PU200 ENGINEERING CHANGES</b>																			
2.1) ENGINEERING CHANGES	A	-	-	0.946	-	-	0.195	-	-	0.198	-	-	0.201	-	-	-	-	-	0.201

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2181 - Sonar Switches and Transducers	<b>Aggregated Item Name:</b> Sonar Switches and Transducers
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 2) PU200 ENGINEERING CHANGES				0.946			0.195			0.198			0.201			0.000			0.201
<b>3) PU300 PROGRAM SUPPORT</b>																			
3.1) PROGRAM SUPPORT	A	-	-	9.307	-	-	2.407	-	-	1.882	-	-	0.997	-	-	-	-	-	0.997
Subtotal 3) PU300 PROGRAM SUPPORT				9.307			2.407			1.882			0.997			0.000			0.997
<b>Total</b>				<b>60.049</b>			<b>12.985</b>			<b>13.537</b>			<b>13.410</b>			<b>0.000</b>			<b>13.410</b>

**Remarks:**  
[PU100 SONAR SWITCHES AND TRANSDUCERS] Due to Fleet usage requirements to maintain submarines in an operational status, adjustments were made to quantities throughout the FYDP. Items not procured in a single year do not impact the production line.

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 2				P-1 Line Item Nomenclature: 2181 - Sonar Switches and Transducers						Aggregated Item Name: Sonar Switches and Transducers		
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) PU100 SONAR SWITCHES AND TRANSDUCERS</b>												
1.1) TR-353		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	100	6,000.00	Y		
1.2) CW-1147 DOME		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	10	18,000.00	Y		
1.3) CW-1181E DOME		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	18	5,000.00	Y		
1.4) DT-574 100FT		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	100	2,000.00	Y		
1.5) MX-12309 SSGN HFSA WINDOW		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	1	173,000.00	Y		
1.7) DT-574 50FT		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	250	530.00	Y		
1.8) CW-1181C		2011	NUWC Newport / RI	WR	NUWC	Jan 2011	Jan 2012	32	5,000.00	Y		
1.8) CW-1181C		2012	NUWC Newport / RI	WR	NUWC	Jan 2012	Jan 2013	18	5,000.00	Y		
1.8) CW-1181C		2013	NUWC Newport / RI	WR	NUWC	Jan 2013	Jan 2014	20	5,000.00	Y		
1.9) MX-10624		2011	NUWC Newport / RI	WR	NUWC	Jan 2011	Jan 2012	25	13,000.00	Y		
1.9) MX-10624		2012	NUWC Newport / RI	WR	NUWC	Jan 2012	Jan 2013	4	13,000.00	Y		
1.9) MX-10624		2013	NUWC Newport / RI	WR	NUWC	Jan 2013	Jan 2014	10	13,000.00	Y		
1.10) MX-10616		2011	Ultra, Walpole / MA	C / FP	NUWC	Mar 2011	Mar 2012	1	168,000.00	Y		
1.10) MX-10616		2012	Ultra, Walpole / MA	C / FP	NUWC	Mar 2012	Mar 2013	2	169,000.00	Y		
1.11) WINDOW (NSSN HFSA)		2011	Goodrich / Jacksonville, FL	C / FP	NUWC	Mar 2011	Mar 2012	1	180,000.00	Y		
1.11) WINDOW (NSSN HFSA)		2012	Goodrich / Jacksonville, FL	C / FP	NUWC	Mar 2012	Mar 2013	2	183,000.00	Y		
1.12) MX-11474		2011	Goodrich / Jacksonville, FL	C / FP	NUWC	Mar 2011	Mar 2012	1	189,000.00	Y		
1.12) MX-11474		2012	Goodrich / Jacksonville, FL	C / FP	NUWC	Mar 2012	Mar 2013	2	191,000.00	Y		
1.12) MX-11474		2013	Goodrich / Jacksonville, FL	C / FP	NUWC	Mar 2013	Mar 2014	1	194,000.00	Y		
1.13) DT-5740OBE		2012	Lockheed Martin / Syracuse, NY	C / FP	NUWC	Mar 2012	Mar 2013	20	16,000.00	Y		
1.13) DT-5740OBE		2013	Lockheed Martin / Syracuse, NY	C / FP	NUWC	Mar 2013	Mar 2014	25	16,000.00	Y		
1.14) DT-511B		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	18	27,333.33	Y		
1.15) DT-592		2011	VARIOUS / VARIOUS	C / FP	NUWC	Mar 2011	Mar 2012	12	38,000.00	Y		
1.15) DT-592		2012	VARIOUS / VARIOUS	C / FP	NUWC	Mar 2012	Mar 2013	5	39,000.00	Y		
1.15) DT-592		2013	VARIOUS / VARIOUS	C / FP	NUWC	Mar 2013	Mar 2014	23	39,000.00	Y		
1.16) TR-233B		2011	Ultra, Walpole / MA	C / FP	NUWC	Mar 2011	Mar 2012	59	9,000.00	Y		
1.16) TR-233B		2012	Ultra, Walpole / MA	C / FP	NUWC	Mar 2012	Mar 2013	60	9,000.00	Y		
1.18) TR-302B & CBL		2011	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2011	Mar 2012	25	21,000.00	Y		
1.18) TR-302B & CBL		2012	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2012	Mar 2013	42	21,357.14	Y		
1.18) TR-302B & CBL		2013	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2013	Mar 2014	20	22,000.00	Y		
1.19) TR-302 (WINDOW)		2011	VARIOUS / VARIOUS	C / FP	NUWC	Mar 2011	Mar 2012	10	1,000.00	Y		
1.19) TR-302 (WINDOW)		2012	VARIOUS / VARIOUS	C / FP	NUWC	Mar 2012	Mar 2013	19	1,000.00	Y		



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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2181 - Sonar Switches and Transducers	<b>Aggregated Item Name:</b> Sonar Switches and Transducers
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Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1.19) TR-302 (WINDOW)		2013	VARIOIUS / VARIOUS	C / FP	NUWC	Mar 2013	Mar 2014	23	1,000.00	Y		
1.22) TR-338 & CBL		2011	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2011	Mar 2012	18	22,000.00	Y		
1.22) TR-338 & CBL		2012	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2012	Mar 2013	24	22,000.00	Y		
1.22) TR-338 & CBL		2013	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2013	Mar 2014	20	23,000.00	Y		
1.23) TR-341		2011	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2011	Mar 2012	40	17,000.00	Y		
1.23) TR-341		2012	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2012	Mar 2013	47	17,000.00	Y		
1.24) WAA OBE		2011	TRF, Portsmouth / MA	C / FP	NUWC	Jan 2011	Jan 2012	30	1,000.00	Y		
1.24) WAA OBE		2013	TRF, Portsmouth / MA	C / FP	NUWC	Jan 2013	Jan 2014	36	1,000.00	Y		
1.25) NCC CONNECTORS		2011	VARIOIUS / VARIOUS	C / FP	NUWC	Mar 2011	Mar 2012	481	1,000.00	Y		
1.25) NCC CONNECTORS		2012	VARIOIUS / VARIOUS	C / FP	NUWC	Mar 2012	Mar 2013	442	1,000.00	Y		
1.25) NCC CONNECTORS		2013	VARIOIUS / VARIOUS	C / FP	NUWC	Mar 2013	Mar 2014	100	1,000.00	Y		
1.26) DT-699 HFSA RECEIVE		2011	Ultra, Walpole / MA	C / FP	NUWC	Mar 2011	Mar 2012	10	68,000.00	Y		
1.26) DT-699 HFSA RECEIVE		2012	Ultra, Walpole / MA	C / FP	NUWC	Mar 2012	Mar 2013	17	69,350.00	Y		
1.26) DT-699 HFSA RECEIVE		2013	Ultra, Walpole / MA	C / FP	NUWC	Mar 2013	Mar 2014	20	70,000.00	Y		
1.27) TR-364 HFSP XMIT		2011	Ultra, Walpole / MA	C / FP	NUWC	Mar 2011	Mar 2012	5	146,000.00	Y		
1.27) TR-364 HFSP XMIT		2012	Ultra, Walpole / MA	C / FP	NUWC	Mar 2012	Mar 2013	1	148,000.00	Y		
1.27) TR-364 HFSP XMIT		2013	Ultra, Walpole / MA	C / FP	NUWC	Mar 2013	Mar 2014	1	151,000.00	Y		
1.28) TR-317		2011	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2011	Mar 2012	1,155	4,000.00	Y		
1.28) TR-317		2012	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2012	Mar 2013	1,110	4,000.00	Y		
1.28) TR-317		2013	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2013	Mar 2014	968	4,001.03	Y		
1.29) TR-281		2011	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2011	Mar 2012	10	21,000.00	Y		
1.29) TR-281		2012	ITC, Santa Barbara / CA	C / FP	NUWC	Mar 2012	Mar 2013	10	21,400.00	Y		
1.39) TR-282 FIRST ARTICLE		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	3	100,000.00	Y		
1.40) DT-513		2011	Edo, Salt Lake City / UT	C / FP	NUWC	Mar 2011	Mar 2012	3	4,000.00	Y		
1.40) DT-513		2012	Edo, Salt Lake City / UT	C / FP	NUWC	Mar 2012	Mar 2013	127	4,000.00	Y		
1.40) DT-513		2013	Edo, Salt Lake City / UT	C / FP	NUWC	Mar 2013	Mar 2014	130	4,000.00	Y		
1.43) TR-321 V CTD FIRST ARTICLE		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	3	100,000.00	Y		
1.44) DT-100 HFSA RECEIVE		2013	Unknown / TBD	C / FP	NUWC	Mar 2013	Mar 2014	3	75,000.00	Y		

**Remarks:**

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 2 : Ship Sonars

**P-1 Line Item Nomenclature:**  
2188 - Electronic Warfare MILDEC

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:** 0304785N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	16.841	-	-	-	20.609	54.248	4.526	4.995	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	16.841	-	-	-	20.609	54.248	4.526	4.995	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	16.841	-	-	-	20.609	54.248	4.526	4.995	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	0.016	-	0.016	0.079	0.024	-	-	0.000	0.119
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[P40A / 1U060 Integrated Communications and Data Systems (ICADS)]: ICADS (AN/URC-148(V)) is a Chief of Naval Operations (CNO) directed mission critical system which provides limited back-up, mobile communications capability for large deck naval platforms. The system provides reliable, limited solution for re-establishing command and control for high value unit, subordinate units, and controlling fleet entities. ICADS is a Rapid Deployment Capability (RDC) and is a system of systems. Specific program details held at a higher classification.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Electronic Warfare MILDEC (See enclosed P-40A)	P40A, P5A				0.000			0.000			16.841			0.000			0.000			0.000
<b>Total Gross/Weapon System Cost</b>					-			-			16.841			-			-			-

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

Funding realigned from LI 2360 starting in FY12.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 2 **P-1 Line Item Nomenclature:** 2188 - Electronic Warfare MILDEC **Aggregated Item Name:** Electronic Warfare MILDEC

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) 1U060 Integrated Communications and Data Systems (ICADS)</b>																			
† 1.1) Integrated Communications and Data Systems (ICADS)	B	-	-	-	-	-	-	14,005.000	1	14.005	-	-	-	-	-	-	-	-	-
† 1.2) ICADS Engineering Change Proposals (ECPs) <sup>(1)</sup>	A	-	-	-	-	-	-	520.000	4	2.080	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) 1U060 Integrated Communications and Data Systems (ICADS)</i>				0.000			0.000			16.085			0.000			0.000			0.000
<b>2) 1U555 Production Support</b>																			
2.1) Production Support	A	-	-	-	-	-	-	-	-	0.756	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) 1U555 Production Support</i>				0.000			0.000			0.756			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>16.841</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**  
<sup>(1)</sup>Engineering Change Proposals (ECPs) will correct deficiencies found in production units and to address obsolescence issues. Details held at a higher classification.  
  
 There are no associated installation costs.  
  
 FY13 funding realigned to RDT&E to support acquisition activities for a FY13 4th quarter Milestone decision.

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 2	<b>P-1 Line Item Nomenclature:</b> 2188 - Electronic Warfare MILDEC	<b>Aggregated Item Name:</b> Electronic Warfare MILDEC
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) 1U060 Integrated Communications and Data Systems (ICADS)</b>												
1.1) Integrated Communications and Data Systems (ICADS) <sup>(2)</sup>		2012	TBD / TBD	C / FFP	SSC LANT	Feb 2012	Aug 2013	1	14,005.000	N		
1.2) ICADS Engineering Change Proposals (ECPs)		2012	TBD / TBD	C / FFP	SSC LANT	Mar 2012	Nov 2012	4	520.000	Y		Jan 2012

**Remarks:**  
<sup>(2)</sup>ICADS is comprised of several mature systems. Funding is sent to SSC LANT for the procurement of various Firm Fixed Price (FFP) contracts. Various subsystems are integrated to deliver an ICADS system.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 3 : Asw Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2210 - Submarine Acoustic Warfare System
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Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	8.252	18.438	20.554	21.489	-	21.489	22.488	25.891	26.198	29.164	0.000	172.474
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	8.252	18.438	20.554	21.489	-	21.489	22.488	25.891	26.198	29.164	0.000	172.474
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	8.252	18.438	20.554	21.489	-	21.489	22.488	25.891	26.198	29.164	0.000	172.474
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.296	0.128	0.265	-	0.265	0.282	0.250	0.330	0.193	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Submarine Acoustic Warfare System (SAWS) provides submarines with an enhanced capability against torpedoes and the means to reduce the acoustic and non-acoustic effectiveness of enemy sensors. This program provides ongoing production of countermeasure devices needed to sustain fleet inventories, production of preplanned improvements to enhance the readiness and effectiveness of countermeasure devices acoustic intercept receivers and processors, and associated countermeasure launcher systems.

[P40A / WM014 6" Diameter Countermeasures ]: WM014 6" Diameter Countermeasures - Procures the 6" Countermeasure Launch Tube, Acoustic Device Countermeasure (ADC) MK 3 (Torpedo) and Acoustic Device Countermeasure (ADC) MK 4 (Sound Navigation and Ranging (SONAR)).

[P40A / WM015 NAE]: WM015 3" Diameter Countermeasures - Procures Noise Acoustic Emitter (NAE) BEACON, Acoustic Device Countermeasure (ADC) MK2 MOD 3, Next Generation Countermeasure (NGCM).

[P40A / WM017 ACOUSTIC INTERCEPT (AI)]: WM017 Acoustic Intercept Receiver (AN/WLR-9) - Procures acoustic intercept improvements.

[P40A / WM018 ACOUSTIC AUGMENTATION SUPPORT PROGRAM (AASP)]: WM018 Acoustic Augmentation Support Program (AASP) - Procures acoustic augmenting devices in various configurations on all submarine platforms.

[P40A / WM019 CSA ]: WM019 Engineering Changes - Procures engineering changes in support of Countermeasures Set Acoustic (CSA) MK2. Funding procures Launch Control Panels (LCPs).

[P40A / WM022 GAS GENERATOR MK77]: WM022 Gas Generator MK 77 - Procures the components required on the 6" diameter countermeasure launcher delivering the propulsion necessary to launch the ADC MK3 and ADC MK4 countermeasure devices.

[P40A / WM830 PRODUCTION ENGINEERING]: WM830 Production Engineering - Procures production engineering services for Countermeasures Set Acoustic (CSA) Technical Design Agent (TDA).

[P40A / WM900 CONSULTING SERVICES]: WM900 Consulting Services - Procures contractor consulting services for SAWS.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 3 : Asw Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2210 - Submarine Acoustic Warfare System

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Submarine Acoustic Warfare System (See enclosed P-40A)	P40A, P5A, P21				8.252			18.438			20.554			21.489			0.000			21.489
<b>Total Gross/Weapon System Cost</b>					<b>8.252</b>			<b>18.438</b>			<b>20.554</b>			<b>21.489</b>			<b>-</b>			<b>21.489</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**



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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 3					P-1 Line Item Nomenclature: 2210 - Submarine Acoustic Warfare System										Aggregated Item Name: Submarine Acoustic Warfare System				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) WM014 6" Diameter Countermeasures</b>																			
† 1.1) 6" Countermeasure Launch Tube	A	-	-	8.252	11,003.64	275	3.026	11,173.65	167	1.866	11,377.91	172	1.957	-	-	-	11,377.91	172	1.957
† 1.2) ADC MK3 (TORPEDO)	A	-	-	-	31,600.00	125	3.950	32,103.70	135	4.334	34,400.00	125	4.300	-	-	-	34,400.00	125	4.300
† 1.3) ADC MK4 (SONAR)	A	-	-	-	-	-	-	42,440.00	25	1.061	41,028.57	35	1.436	-	-	-	41,028.57	35	1.436
<i>Subtotal 1) WM014 6" Diameter Countermeasures</i>				8.252			6.976			7.261			7.693			0.000			7.693
<b>2) WM015 NAE</b>																			
† 2.1) NAE BEACON	A	-	-	-	7,498.83	429	3.217	7,620.00	600	4.572	7,750.00	500	3.875	-	-	-	7,750.00	500	3.875
† 2.2) ADC MK2 MOD3	A	-	-	-	5,389.83	354	1.908	5,477.68	224	1.227	5,568.86	501	2.790	-	-	-	5,568.86	501	2.790
2.3) NGCM (MK5)	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) WM015 NAE</i>				0.000			5.125			5.799			6.665			0.000			6.665
<b>3) WM017 ACOUSTIC INTERCEPT (AI)</b>																			
3.1) ACOUSTIC INTERCEPT (AI)	A	-	-	-	-	-	1.697	-	-	1.098	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) WM017 ACOUSTIC INTERCEPT (AI)</i>				0.000			1.697			1.098			0.000			0.000			0.000
<b>4) WM018 ACOUSTIC AUGMENTATION SUPPORT PROGRAM (AASP)</b>																			
4.1) ACOUSTIC AUGMENTATION SUPPORT PROGRAM (AASP)	A	-	-	-	-	-	-	-	-	0.650	-	-	0.670	-	-	-	-	-	0.670
<i>Subtotal 4) WM018 ACOUSTIC AUGMENTATION SUPPORT PROGRAM (AASP)</i>				0.000			0.000			0.650			0.670			0.000			0.670
<b>5) WM019 CSA</b>																			
5.1) CSA MK2 MOD1 (LAUNCHER)	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 3					P-1 Line Item Nomenclature: 2210 - Submarine Acoustic Warfare System										Aggregated Item Name: Submarine Acoustic Warfare System				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
5.2) CSA MK2 MOD1 LCP ENGINEERING CHANGE	A	-	-	-	-	-	1.185	-	-	0.685	-	-	0.706	-	-	-	-	-	0.706
Subtotal 5) WM019 CSA				0.000			1.185			0.685			0.706			0.000			0.706
<b>6) WM022 GAS GENERATOR MK77</b>																			
† 6.1) GAS GENERATOR MK77	A	-	-	-	10,000.00	243	2.430	10,160.00	400	4.064	10,334.09	443	4.578	-	-	-	10,334.09	443	4.578
Subtotal 6) WM022 GAS GENERATOR MK77				0.000			2.430			4.064			4.578			0.000			4.578
<b>7) WM830 PRODUCTION ENGINEERING</b>																			
7.1) PRODUCTION ENGINEERING	A	-	-	-	-	-	0.800	-	-	0.819	-	-	0.977	-	-	-	-	-	0.977
Subtotal 7) WM830 PRODUCTION ENGINEERING				0.000			0.800			0.819			0.977			0.000			0.977
<b>8) WM900 CONSULTING SERVICES</b>																			
8.1) CONSULTING SERVICES	A	-	-	-	-	-	0.225	-	-	0.178	-	-	0.200	-	-	-	-	-	0.200
Subtotal 8) WM900 CONSULTING SERVICES				0.000			0.225			0.178			0.200			0.000			0.200
<b>9) WMCA1 COMMON ACOUSTIC SENSOR INITIATIVE - CA</b>																			
9.1) CONGRESSIONAL ADD	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 9) WMCA1 COMMON ACOUSTIC SENSOR INITIATIVE - CA				0.000			0.000			0.000			0.000			0.000			0.000
<b>10) WMCA2 HYDROACOUSTIC LOW FREQUENCY SOURCE GENERATION SYSTEM - CA</b>																			

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Nomenclature:									Aggregated Item Name:					
1810N / BA 2 / BSA 3					2210 - Submarine Acoustic Warfare System									Submarine Acoustic Warfare System					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
10.1) CONGRESSIONAL ADD	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 10) WMCA2 HYDROACOUSTIC LOW FREQUENCY SOURCE GENERATION SYSTEM - CA</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>11) HBINS INSTALLATION</b>																			
11.1) CSA MK3 LAUNCHER INSTALL	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 11) HBINS INSTALLATION</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>8.252</b>			<b>18.438</b>			<b>20.554</b>			<b>21.489</b>			<b>0.000</b>			<b>21.489</b>

Remarks:

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy									Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 3			P-1 Line Item Nomenclature: 2210 - Submarine Acoustic Warfare System						Aggregated Item Name: Submarine Acoustic Warfare System			
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) WM014 6" Diameter Countermeasures</b>												
†1.1) 6" Countermeasure Launch Tube		2011	DYNAMIC FLOWFORM / MASSACHUSETTS	C / FFP	NUWCKEYPORT	Aug 2011	Feb 2012	275	11,003.64	Y		
†1.1) 6" Countermeasure Launch Tube		2012	DYNAMIC FLOWFORM / MASSACHUSETTS	C / FFP	NUWCKEYPORT	Aug 2012	Feb 2013	167	11,173.65	Y		
†1.1) 6" Countermeasure Launch Tube		2013	DYNAMIC FLOWFORM / MASSACHUSETTS	C / FFP	NUWCKEYPORT	Aug 2013	Feb 2014	172	11,377.91	Y		
†1.2) ADC MK3 (TORPEDO)		2011	ULTRA / BRAINTREE, MA	C / FFP	NAVSEA	Jun 2011	Jun 2012	125	31,600.00	Y		
†1.2) ADC MK3 (TORPEDO)		2012	ULTRA / BRAINTREE, MA	C / FFP	NAVSEA	Jun 2012	Jun 2013	135	32,103.70	Y		
†1.2) ADC MK3 (TORPEDO)		2013	ULTRA / BRAINTREE, MA	C / FFP	NAVSEA	Jun 2013	Jun 2014	125	34,400.00	Y		
†1.3) ADC MK4 (SONAR)		2012	ULTRA / BRAINTREE, MA	C / FFP	NAVSEA	Jun 2012	Jun 2013	25	42,440.00	Y		
†1.3) ADC MK4 (SONAR)		2013	ULTRA / BRAINTREE, MA	C / FFP	NAVSEA	Jun 2013	Jun 2014	35	41,028.57	Y		
<b>2) WM015 NAE</b>												
†2.1) NAE BEACON		2011	ULTRA / BRAINTREE, MA	C / FFP	NAVICP	Aug 2011	Aug 2012	429	7,498.83	Y		
†2.1) NAE BEACON		2012	ULTRA / BRAINTREE, MA	C / FFP	NAVICP	Aug 2012	Aug 2013	600	7,620.00	Y		
†2.1) NAE BEACON		2013	ULTRA / BRAINTREE, MA	C / FFP	NAVICP	Aug 2013	Aug 2014	500	7,750.00	Y		
†2.2) ADC MK2 MOD3		2011	ULTRA / BRAINTREE, MA	C / FFP	NAVSEA	May 2011	May 2012	354	5,389.83	Y		
†2.2) ADC MK2 MOD3		2012	ULTRA / BRAINTREE, MA	C / FFP	NAVSEA	May 2012	May 2013	224	5,477.68	Y		
†2.2) ADC MK2 MOD3		2013	ULTRA / BRAINTREE, MA	C / FFP	NAVSEA	May 2013	May 2014	501	5,568.86	Y		
<b>6) WM022 GAS GENERATOR MK77</b>												
†6.1) GAS GENERATOR MK77		2011	NSWC/INDIAN HEAD / NSWC INDIAN HEAD	WR	NSWC INDIAN HEAD	Mar 2011	Sep 2011	243	10,000.00	Y		
†6.1) GAS GENERATOR MK77		2012	NSWC/INDIAN HEAD / NSWC INDIAN HEAD	WR	NSWC INDIAN HEAD	Mar 2012	Sep 2012	400	10,160.00	Y		
†6.1) GAS GENERATOR MK77		2013	NSWC/INDIAN HEAD / NSWC INDIAN HEAD	WR	NSWC INDIAN HEAD	Mar 2013	Sep 2013	443	10,334.09	Y		
<b>Remarks:</b>												

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Exhibit P-21, Budget Production Schedule: PB 2013 Navy																							Date: February 2012																	
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 3										P-1 Line Item Nomenclature: 2210 - Submarine Acoustic Warfare System										Aggregated Item Name: Submarine Acoustic Warfare System																				
COST ELEMENTS Units in Each							Fiscal Year 2011										Fiscal Year 2012																							
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2011										Calendar Year 2012																							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L									
1) WM014 6" Diameter Countermeasures																																								
1.1) 6" Countermeasure Launch Tube																																								
1		2011	NAVY	275	0	275	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	20	20	25	25	25	25	25	25	25	25	85				
1		2012	NAVY	167	0	167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	167			
1		2013	NAVY	172	0	172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172			
1.2) ADC MK3 (TORPEDO)																																								
2		2011	NAVY	125	0	125	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	10	10	10	84		
2		2012	NAVY	135	0	135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	135		
2		2013	NAVY	125	0	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125			
1.3) ADC MK4 (SONAR)																																								
3		2012	NAVY	25	0	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	25		
3		2013	NAVY	35	0	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35			
2) WM015 NAE																																								
2.1) NAE BEACON																																								
4		2011	NAVY	429	0	429	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	35	364			
4		2012	NAVY	600	0	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	600		
4		2013	NAVY	500	0	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500			
2.2) ADC MK2 MOD3																																								
5		2011	NAVY	354	0	354	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	30	30	30	30	204
5		2012	NAVY	224	0	224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	224		
5		2013	NAVY	501	0	501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	501		
6) WM022 GAS GENERATOR MK77																																								
6.1) GAS GENERATOR MK77																																								
6		2011	NAVY	243	0	243	-	-	-	-	-	-	A	-	-	-	-	-	-	17	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	22	24			
6		2012	NAVY	400	0	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	376	
6		2013	NAVY	443	0	443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	443		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 3 **P-1 Line Item Nomenclature:** 2210 - Submarine Acoustic Warfare System **Aggregated Item Name:** Submarine Acoustic Warfare System

COST ELEMENTS Units in Each						Fiscal Year 2013													Fiscal Year 2014													
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1) WM014 6" Diameter Countermeasures																																
1.1) 6" Countermeasure Launch Tube																																
	1	2011	NAVY	275	190	85	25	25	20	15																						
	1	2012	NAVY	167	0	167	-	-	-	-	14	14	14	14	14	14	14	14	14	14	13											
	1	2013	NAVY	172	0	172	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	14	14	14	14	14	14	14	14	60	
1.2) ADC MK3 (TORPEDO)																																
	2	2011	NAVY	125	41	84	10	10	10	10	11	11	11	11																		
	2	2012	NAVY	135	0	135	-	-	-	-	-	-	-	-	12	12	12	12	12	12	11	11	11	10	10	10						
	2	2013	NAVY	125	0	125	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	10	10	10	10	85		
1.3) ADC MK4 (SONAR)																																
	3	2012	NAVY	25	0	25	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	3						
	3	2013	NAVY	35	0	35	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	3	3	3	3	23		
2) WM015 NAE																																
2.1) NAE BEACON																																
	4	2011	NAVY	429	65	364	35	35	35	37	37	37	37	37	37																	
	4	2012	NAVY	600	0	600	-	-	-	-	-	-	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50					
	4	2013	NAVY	500	0	500	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	44	44	412		
2.2) ADC MK2 MOD3																																
	5	2011	NAVY	354	150	204	30	29	29	29	29	29	29																			
	5	2012	NAVY	224	0	224	-	-	-	-	-	-	-	20	20	20	20	18	18	18	18	18	18	18	18							
	5	2013	NAVY	501	0	501	-	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	38	38	36	37	37	315	
6) WM022 GAS GENERATOR MK77																																
6.1) GAS GENERATOR MK77																																
	6	2011	NAVY	243	243	0																										
	6	2012	NAVY	400	24	376	30	31	35	35	35	35	35	35	35	35																
	6	2013	NAVY	443	0	443	-	-	-	-	-	-	A -	-	-	-	-	39	39	38	38	38	38	37	37	37	37	34	31			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2210 - Submarine Acoustic Warfare System	<b>Aggregated Item Name:</b> Submarine Acoustic Warfare System
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COST ELEMENTS Units in Each							Fiscal Year 2015										Fiscal Year 2016													
O C O	MFR Ref #	FY	SERVICE <sup>‡</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016										B A L			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G
1) WM014 6" Diameter Countermeasures																														
1.1) 6" Countermeasure Launch Tube																														
	1	2011	NAVY	275	275	0																								
	1	2012	NAVY	167	167	0																								
	1	2013	NAVY	172	112	60	17	17	16	10																				
1.2) ADC MK3 (TORPEDO)																														
	2	2011	NAVY	125	125	0																								
	2	2012	NAVY	135	135	0																								
	2	2013	NAVY	125	40	85	10	10	10	11	11	11	11	11																
1.3) ADC MK4 (SONAR)																														
	3	2012	NAVY	25	25	0																								
	3	2013	NAVY	35	12	23	3	3	3	2	3	3	3	3																
2) WM015 NAE																														
2.1) NAE BEACON																														
	4	2011	NAVY	429	429	0																								
	4	2012	NAVY	600	600	0																								
	4	2013	NAVY	500	88	412	44	44	43	43	43	43	43	43	33	33														
2.2) ADC MK2 MOD3																														
	5	2011	NAVY	354	354	0																								
	5	2012	NAVY	224	224	0																								
	5	2013	NAVY	501	186	315	44	44	44	44	44	44	51																	
6) WM022 GAS GENERATOR MK77																														
6.1) GAS GENERATOR MK77																														
	6	2011	NAVY	243	243	0																								
	6	2012	NAVY	400	400	0																								
	6	2013	NAVY	443	443	0																								
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2210 - Submarine Acoustic Warfare System	<b>Aggregated Item Name:</b> Submarine Acoustic Warfare System

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)								
		MSR	1-8-5	MAX	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	DYNAMIC FLOWFORM - MASSACHUSETTS	0	0	0	0	0	0	0	0	0	0	0	0
2	ULTRA - BRAintree, MA	0	0	0	0	0	0	0	0	0	0	0	0
3	ULTRA - BRAintree, MA	0	0	0	0	0	0	0	0	0	0	0	0
4	ULTRA - BRAintree, MA	0	0	0	0	0	0	0	0	0	0	0	0
5	ULTRA - BRAintree, MA	0	0	0	0	0	0	0	0	0	0	0	0
6	NSWC/INDIAN HEAD - NSWC INDIAN HEAD	0	0	0	0	0	0	0	0	0	0	0	0

**Remarks:**

‡ Delivery rows marked with the † symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.



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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 3 : Asw Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)
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Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	128.055	-	1.257	10.716	-	10.716	12.402	18.251	17.174	28.713	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	128.055	-	1.257	10.716	-	10.716	12.402	18.251	17.174	28.713	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	128.055	-	1.257	10.716	-	10.716	12.402	18.251	17.174	28.713	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	0.850	-	0.850	2.190	2.146	2.052	2.058	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Surface Ship Torpedo Defense (SSTD) program is comprised of three major projects, the AN/SLQ-55 (NIXIE) system, Torpedo Warning System (TWS), and the Countermeasure Anti-Torpedo (CAT). The CAT program does not have OPN funding. TWS does not require funding until FY2014.

**WL101 AN/SLQ-25A UPGRADE KITS**

Procures the upgrade to the AN/SLQ-25 (NIXIE) towed acoustic countermeasure system. The AN/SLQ-25C EC-1 enhances ship survivability against future torpedo threats. The upgrades include a more reliable power amplifier, Commercial-off-the-shelf (COTS) Signal Generator with new operational capability, a new Littoral Fiber optic Tow Cable (LFOTC) for operations in shallow water, and enhanced EC-16 capability (details classified). The AN/SLQ-25C & EC-1 upgrades will be procured and installed on the remainder of the fleet using FY09-FY12 funds. Future enhancements to this system will provide Open Architecture, a flexible towed acoustic countermeasure, a variable speed motor controller and improved deck handling hardware to handle the new flexible countermeasure.

**WL103 AN/SLQ-25X (TWS COMPATIBLE NIXIE SYSTEM)**

Procures the AN/SLQ-25X (formerly identified as AN/SLQ-25D; renamed for clarification on procurements) which will provide the capability to interface with the TWS. This is accomplished through a new winch with increased drum capacity and level wind system, a new tow cable with increased data and power carrying capacity and a new data transmission protocol. These changes are required to accommodate the new towed sensor suite provided by the TWS.

**WL104 AN/SLQ-25C EC-2**

Procures upgrade kits to bring AN-SLQ25C up to the EC-2 configuration which provides a flexible acoustic tow body (TB-14B), variable speed motor controller for the winch, open architecture transmitting cabinet and anti-tamper technology.

**WL105 AN/SLQ-25C CVN BATTLE SPARE**

Procures 1 AN/SLQ-25C for use as a replacement end item in the event of significant damage to a fleet system. Without this spare, a ship will go unprotected in excess of one year until a replacement system can be procured. The Battle Spare will be maintained at the latest configuration baseline.

**WL830 PRODUCTION ENGINEERING (IN-HOUSE)**

Funding provides specification preparation and validation, production planning, contract deliverable monitoring, prime contractor monitoring for cost, schedule, and performance and ILS planning, review and evaluation of obsolescence issues, and coordination of government furnished information (GFI) and government furnished equipment (GFE).

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 3 : Asw Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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WL840 QUALITY ASSURANCE (IN-HOUSE)  
 Funding under this cost code provides for quality assurance efforts including conducting quality assurance reviews of the contractor and subcontractors, documentation indicating contractor conformity to product performance requirements, and review of objective quality evidence.

WL860 ACCEPTANCE TEST & ENGINEERING  
 Funding under this cost code provides for production acceptance of contractor hardware.

WL900 PRODUCTION ENGINEERING (OUT-HOUSE)  
 Consulting services for FY12 and prior provide production monitoring, installation planning and coordination support.

WL900 CONSULTING SERVICES  
 Funding under this cost code provides for contractor support to the program office for production monitoring, installation planning and coordination support.

WL905 PRODUCTION ENGINEERING CONTRACTOR  
 Funding under this cost code provides for production engineering tasks performed by the hardware contractor.

WLCA3 CONGRESSIONAL ADD - AN/SLQ-25D  
 Procures and installs SLQ-25D and associated support equipment necessary to conduct operational assessments of TWS on CVN ships. The funding will also be used for installation of AN/SLQ-25C EC-1 upgrade kits on fleet ships.

INSTALLATION  
 Notes: (1) WLCA3 Congressional Add AN/SLQ-25D Hardware includes the TWS compatible NIXIE system.

[P40A / PRODUCTION ENGINEERING IN-HOUSE]: Additional funding in FY13 support first LRIP article.

[P40A / QUALITY ASSURANCE (IN-HOUSE)]: Additional funds in FY13 support first LRIP article.

[P40A / CONSULTING SERVICES]: Additional funds in FY13 support first LRIP article.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Surface Ship Torpedo Def (SSTD) (See enclosed P-40A)	P40A				13.067			0.000			0.197			4.613			0.000			4.613
WL101 AN/SLQ25A UPGRADE KITS - 1	P3A		-	-	111.200	-	-	0.000	-	-	0.580	-	-	0.580	-	-	0.000	-	-	0.580

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 3 : Asw Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE - 3	P3A		-	-	3.788	-	-	0.000	-	-	0.000	-	-	3.425	-	-	0.000	-	-	3.425
WL104 AN-SLQ25C EC-2 - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.480	-	-	2.098	-	-	0.000	-	-	2.098
<b>Total Gross/Weapon System Cost</b>					<b>128.055</b>			<b>-</b>			<b>1.257</b>			<b>10.716</b>			<b>-</b>			<b>10.716</b>

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Surface Ship Torpedo Def (SSTD) (See enclosed P-40A)	P40A				0.000			0.000			0.000			0.000			0.000			0.000
WL101 AN/SLQ25A UPGRADE KITS - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	112.360
WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE - 2	P3A		-	-	0.000	-	-	8.178	-	-	8.054	-	-	14.711	-	-	106.363	-	-	137.306
WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE - 3	P3A		-	-	7.048	-	-	5.652	-	-	5.200	-	-	9.711	-	-	174.655	-	-	209.479
WL104 AN-SLQ25C EC-2 - 4	P3A		-	-	0.600	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	3.178
<b>Total Gross/Weapon System Cost</b>					<b>12.402</b>			<b>18.251</b>			<b>17.174</b>			<b>28.713</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 3					P-1 Line Item Nomenclature: 2213 - Surface Ship Torpedo Def (SSTD)										Aggregated Item Name: Surface Ship Torpedo Def (SSTD)					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
<b>1) WL105 AN-SLQ-25C CVN BATTLE SPARE</b>																				
1.1) HARDWARE	A	-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal 1) WL105 AN-SLQ-25C CVN BATTLE SPARE</i>				1.500			0.000			0.000			0.000			0.000			0.000	
<b>2) WL830 PRODUCTION ENGINEERING</b>																				
2.1) PRODUCTION ENGINEERING IN-HOUSE	A	-	-	10.742	-	-	-	-	-	0.097	-	-	1.106	-	-	-	-	-	-	1.106
<i>Subtotal 2) WL830 PRODUCTION ENGINEERING</i>				10.742			0.000			0.097			1.106			0.000			1.106	
<b>3) WL840 QUALITY ASSURANCE (IN-HOUSE)</b>																				
3.1) QUALITY ASSURANCE (IN-HOUSE)	A	-	-	-	-	-	-	-	-	-	-	-	0.652	-	-	-	-	-	-	0.652
<i>Subtotal 3) WL840 QUALITY ASSURANCE (IN-HOUSE)</i>				0.000			0.000			0.000			0.652			0.000			0.652	
<b>4) WL860 ACCEPTANCE TEST AND ENGINEERING</b>																				
4.1) Acceptance Test & Engineering	A	-	-	-	-	-	-	-	-	-	-	-	1.741	-	-	-	-	-	-	1.741
<i>Subtotal 4) WL860 ACCEPTANCE TEST AND ENGINEERING</i>				0.000			0.000			0.000			1.741			0.000			1.741	
<b>5) WL900 SERVICES</b>																				
5.1) PRODUCTION ENGINEERING (OUT-HOUSE)	A	-	-	0.825	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-
5.2) CONSULTING SERVICES	A	-	-	-	-	-	-	-	-	-	-	-	0.211	-	-	-	-	-	-	0.211
<i>Subtotal 5) WL900 SERVICES</i>				0.825			0.000			0.100			0.211			0.000			0.211	
<b>6) WL905 PRODUCTION</b>																				

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 3 **P-1 Line Item Nomenclature:** 2213 - Surface Ship Torpedo Def (SSTD) **Aggregated Item Name:** Surface Ship Torpedo Def (SSTD)

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>ENGINEERING CONTRACTOR</b>																			
6.1) PRODUCTION ENGINEERING CONTRACTOR	A	-	-	-	-	-	-	-	-	-	-	-	0.903	-	-	-	-	-	0.903
<i>Subtotal 6) WL905 PRODUCTION ENGINEERING CONTRACTOR</i>				0.000			0.000			0.000			0.903			0.000			0.903
<b>Total</b>				<b>13.067</b>			<b>0.000</b>			<b>0.197</b>			<b>4.613</b>			<b>0.000</b>			<b>4.613</b>

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Nomenclature:										Aggregated Item Name:					
1810N / BA 2 / BSA 3				2213 - Surface Ship Torpedo Def (SSTD)										Surface Ship Torpedo Def (SSTD)					
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) WL105 AN-SLQ-25C CVN BATTLE SPARE</b>																			
1.1) HARDWARE	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) WL105 AN-SLQ-25C CVN BATTLE SPARE				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) WL830 PRODUCTION ENGINEERING</b>																			
2.1) PRODUCTION ENGINEERING IN-HOUSE	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) WL830 PRODUCTION ENGINEERING				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) WL840 QUALITY ASSURANCE (IN-HOUSE)</b>																			
3.1) QUALITY ASSURANCE (IN-HOUSE)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) WL840 QUALITY ASSURANCE (IN-HOUSE)				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) WL860 ACCEPTANCE TEST AND ENGINEERING</b>																			
4.1) Acceptance Test & Engineering	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) WL860 ACCEPTANCE TEST AND ENGINEERING				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) WL900 SERVICES</b>																			
5.1) PRODUCTION ENGINEERING (OUT-HOUSE)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) CONSULTING SERVICES	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 5) WL900 SERVICES				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) WL905 PRODUCTION</b>																			

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 3 **P-1 Line Item Nomenclature:** 2213 - Surface Ship Torpedo Def (SSTD) **Aggregated Item Name:** Surface Ship Torpedo Def (SSTD)

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>ENGINEERING CONTRACTOR</b>																			
6.1) PRODUCTION ENGINEERING CONTRACTOR	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 6) WL905 PRODUCTION ENGINEERING CONTRACTOR				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3				<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL101 AN/SLQ25A UPGRADE KITS - 1				

**Models of Systems Affected:** [No Model Specified]    **Type Modification:** [No Modification Type Specified]    **Related RDT&E PEs:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	111.200	0.000	0.580	0.580	0.000	0.580	0.000	0.000	0.000	0.000	0.000	112.360
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	111.200	0.000	0.580	0.580	0.000	0.580	0.000	0.000	0.000	0.000	0.000	112.360
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>111.200</b>	<b>0.000</b>	<b>0.580</b>	<b>0.580</b>	<b>0.000</b>	<b>0.580</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>112.360</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

UPGRADE AN/SLQ-25 SYSTEM. Upgrade kits are EC-4/9/10/12/13/14/15/16/17.



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL101 AN/SLQ25A UPGRADE KITS - 1

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
WL101 AN/SLQ25A UPGRADE KITS												
B Kits												
Recurring												
1.1.1) 25A MODIFICATION KITS - NonOrganic <sup>(1)</sup>	214	51.700	-	-	-	-	-	-	-	-	-	-
1.1.2) OTHER (CONG PLUS-UP) - NonOrganic	-	34.100	-	-	-	-	-	-	-	-	-	-
1.1.3) OTHER (DEC CONG PLUS-UP) - NonOrganic	-	5.700	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		91.500		0.000		0.000		0.000		0.000		0.000
<i>Total, WL101 AN/SLQ25A UPGRADE KITS</i>	214	91.500	-	-	-	-	-	-	-	-	-	-
<b>Total, All Modifications</b>		91.500		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		91.500		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		19.700		0.000		0.580		0.580		0.000		0.580
<b>Total Cost (Procurement + Support + Installation)</b>		111.200		0.000		0.580		0.580		0.000		0.580

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
WL101 AN/SLQ25A UPGRADE KITS												
B Kits												
Recurring												
1.1.1) 25A MODIFICATION KITS - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	214	51.700
1.1.2) OTHER (CONG PLUS-UP) - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	34.100
1.1.3) OTHER (DEC CONG PLUS-UP) - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	5.700
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		91.500
<i>Total, WL101 AN/SLQ25A UPGRADE KITS</i>	-	-	-	-	-	-	-	-	-	-	214	91.500
<b>Total, All Modifications</b>		0.000		0.000		0.000		0.000		0.000		91.500
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		91.500
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		20.860

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL101 AN/SLQ25A UPGRADE KITS - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		112.360

**Remarks:**  
<sup>(1)</sup>FY2013 Prior Year Installations reduced from 3 to 1 due to the LSD 46 and LSD 41 installations cancelled, so there are 2 AN/SLQ-25A Upgrade Kits left. Prior Year FY10 Congressional Add (WLCA03) funds totaling \$4,212K were used to install AN/SLQ-25A Upgrade Kits with \$312K of the total used in FY12 to install 1 upgrade kit on the DDG class to meet AEGIS lightoff.

**Manufacturer Information: WL101 AN/SLQ25A UPGRADE KITS**

Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime ( <i>in Months</i> ):				Production Leadtime ( <i>in Months</i> ):			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

**Installation: WL101 AN/SLQ25A UPGRADE KITS**      **Method of Implementation: AIT/SHIPYARD**      **Installation Name: 25A MODIFICATION KITS**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	209	19.700	-	-	2	0.580	1	0.580	0	0.000	1	0.580
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	209	19.700	-	-	2	0.580	1	0.580	0	0.000	1	0.580

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL101 AN/SLQ25A UPGRADE KITS - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> WL101 AN/SLQ25A UPGRADE KITS	<b>Method of Implementation:</b> AIT/SHIPYARD	<b>Installation Name:</b> 25A MODIFICATION KITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	2	0.000	214	20.860
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	2	0.000	214	20.860

Installation Schedule																															
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	209	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	214
Out	209	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	214

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE - 2

**Models of Systems Affected:** [No Model Specified]    **Type Modification:** [No Modification Type Specified]    **Related RDT&E PEs:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.178	8.054	14.711	106.363	137.306
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.178	8.054	14.711	106.363	137.306
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.178	8.054	14.711	106.363	137.306

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE												
B Kits												
Recurring												
1.1.1) TWS EQUIPMENT - NonOrganic <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) ENG CHANGE PROPOSALS ECPS - Organic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE												
B Kits												
Recurring												
1.1.1) TWS EQUIPMENT - NonOrganic <sup>(2)</sup>	-	-	1	7.526	1	7.654	1	7.784	42	40.369	45	63.333
1.1.2) ENG CHANGE PROPOSALS ECPS - Organic	-	-	-	0.652	-	0.400	-	0.687	-	-	-	1.739
<i>Subtotal Recurring</i>		0.000		8.178		8.054		8.471		40.369		65.072
<i>Total, WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE</i>	-	-	1	8.178	1	8.054	1	8.471	42	40.369	45	65.072
<i>Total, All Modifications</i>		0.000		8.178		8.054		8.471		40.369		65.072
<i>Procurement Cost (Procurement + Support)</i>		0.000		8.178		8.054		8.471		40.369		65.072
<i>Total Installation Cost</i>		0.000		0.000		0.000		6.240		65.994		72.234
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		8.178		8.054		14.711		106.363		137.306

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**  
(2)FY15 buy for 1st test article in FY16 and to be installed in FY17.

**Manufacturer Information: WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE**

Manufacturer Name: Argon				Manufacturer Location: Union Town, PA			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 0			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates				May 2014			
Delivery Dates				May 2014			

<b>Installation:</b> WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE	<b>Method of Implementation:</b> AIT/SHIPYARD	<b>Installation Name:</b> TWS EQUIPMENT
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE	<b>Method of Implementation:</b> AIT/SHIPYARD	<b>Installation Name:</b> TWS EQUIPMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	1	3.120	-	-	1	3.120
FY 2016	-	-	-	-	-	-	1	3.120	-	-	1	3.120
FY 2017	-	-	-	-	-	-	-	-	1	3.120	1	3.120
To Complete	-	-	-	-	-	-	-	-	42	62.874	42	62.874
Total	-	-	-	-	-	-	2	6.240	43	65.994	45	72.234

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	43	45
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	43	45

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	3.788	0.000	0.000	3.425	0.000	3.425	7.048	5.652	5.200	9.711	174.655	209.479
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3.788	0.000	0.000	3.425	0.000	3.425	7.048	5.652	5.200	9.711	174.655	209.479
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3.788	0.000	0.000	3.425	0.000	3.425	7.048	5.652	5.200	9.711	174.655	209.479

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**  
Formerly identified as AN/SLQ-25D



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE												
B Kits												
Recurring												
1.1.1) 25X EQUIPMENT - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	1	2.600	-	-	1	2.600
1.1.2) FY10 CONG ADD (WLCA3) - NonOrganic	1	2.200	-	-	-	-	-	-	-	-	-	-
1.1.3) WLCA3 PROD ENG & INT TEST - Organic	-	1.588	-	-	-	-	-	-	-	-	-	-
1.1.4) ENG CHANGE PROPOSALS ECPS - Organic	-	-	-	-	-	-	-	0.825	-	-	-	0.825
<i>Subtotal Recurring</i>		3.788		0.000		0.000		3.425		0.000		3.425
<i>Total, WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE</i>	1	3.788	-	-	-	-	1	3.425	-	-	1	3.425
<i>Total, All Modifications</i>		3.788		0.000		0.000		3.425		0.000		3.425
<i>Procurement Cost (Procurement + Support)</i>		3.788		0.000		0.000		3.425		0.000		3.425
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.788</b>		<b>0.000</b>		<b>0.000</b>		<b>3.425</b>		<b>0.000</b>		<b>3.425</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE												
B Kits												
Recurring												
1.1.1) 25X EQUIPMENT - NonOrganic <sup>(3)</sup>	2	5.200	2	5.000	2	4.800	2	4.800	49	117.600	58	140.000
1.1.2) FY10 CONG ADD (WLCA3) - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	2.200
1.1.3) WLCA3 PROD ENG & INT TEST - Organic	-	-	-	-	-	-	-	-	-	-	-	1.588
1.1.4) ENG CHANGE PROPOSALS ECPS - Organic	-	1.103	-	0.652	-	0.400	-	0.676	-	-	-	3.656
<i>Subtotal Recurring</i>		6.303		5.652		5.200		5.476		117.600		147.444

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>										
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
Total, WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE	2	6.303	2	5.652	2	5.200	2	5.476	49	117.600	59	147.444
Total, All Modifications		6.303		5.652		5.200		5.476		117.600		147.444
Procurement Cost (Procurement + Support)		6.303		5.652		5.200		5.476		117.600		147.444
Total Installation Cost		0.745		0.000		0.000		4.235		57.055		62.035
<b>Total Cost (Procurement + Support + Installation)</b>		<b>7.048</b>		<b>5.652</b>		<b>5.200</b>		<b>9.711</b>		<b>174.655</b>		<b>209.479</b>

**Remarks:**

<sup>(3)</sup>FY13 equipment buy will be used for an FY15 at-sea test and installed in FY17.

<b>Manufacturer Information: WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE</b>												
Manufacturer Name: Argon						Manufacturer Location: Union Town, PA						
Administrative Leadtime (in Months): 12						Production Leadtime (in Months): 24						
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017					
Contract Dates			Jan 2013									
Delivery Dates			Jan 2015									

<b>Installation:</b> WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE			<b>Method of Implementation:</b> AIT/Shipyard				<b>Installation Name:</b> 25X EQUIPMENT					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE	<b>Method of Implementation:</b> AIT/Shipyard	<b>Installation Name:</b> 25X EQUIPMENT
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	1	1.059	-	-	1	1.059
FY 2014	-	-	-	-	-	-	1	1.059	-	-	1	1.059
FY 2015	-	-	-	-	-	-	2	2.117	-	-	2	2.117
FY 2016	-	-	-	-	-	-	-	-	2	2.153	2	2.153
FY 2017	-	-	-	-	-	-	-	-	2	2.153	2	2.153
To Complete	-	-	-	-	-	-	-	-	49	52.749	49	52.749
Total	-	-	-	-	-	-	4	4.235	53	57.055	57	61.290

Installation Schedule																																		
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	53	57
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	53	57

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> FY10 CONG ADD (WLCA3)
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	0.745	-	-	-	-	-	-	-	-	1	0.745
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	0.745	-	-	-	-	-	-	-	-	1	0.745

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> FY10 CONG ADD (WLCA3)
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3			<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL104 AN-SLQ25C EC-2 - 4					

**Models of Systems Affected:** [No Model Specified]      **Type Modification:** [No Modification Type Specified]      **Related RDT&E PEs:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.480	2.098	0.000	2.098	0.600	0.000	0.000	0.000	0.000	3.178
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.480	2.098	0.000	2.098	0.600	0.000	0.000	0.000	0.000	3.178
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.480</b>	<b>2.098</b>	<b>0.000</b>	<b>2.098</b>	<b>0.600</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>3.178</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3		<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)
		<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> WL104 AN-SLQ25C EC-2 - 4

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
WL104 AN-SLQ25C EC-2												
B Kits												
Recurring												
1.1.1) 25C EC2 EQUIPMENT - NonOrganic	-	-	-	-	1	0.480	4	1.952	-	-	4	1.952
<i>Subtotal Recurring</i>		0.000		0.000		0.480		1.952		0.000		1.952
<i>Total, WL104 AN-SLQ25C EC-2</i>	-	-	-	-	1	0.480	4	1.952	-	-	4	1.952
<i>Total, All Modifications</i>		0.000		0.000		0.480		1.952		0.000		1.952
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.480		1.952		0.000		1.952
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.146		0.000		0.146
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.480</b>		<b>2.098</b>		<b>0.000</b>		<b>2.098</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
WL104 AN-SLQ25C EC-2												
B Kits												
Recurring												
1.1.1) 25C EC2 EQUIPMENT - NonOrganic	-	-	-	-	-	-	-	-	-	-	5	2.432
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		2.432
<i>Total, WL104 AN-SLQ25C EC-2</i>	-	-	-	-	-	-	-	-	-	-	5	2.432
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		2.432
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		2.432
<i>Total Installation Cost</i>		0.600		0.000		0.000		0.000		0.000		0.746
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.600</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>3.178</b>

<b>Remarks:</b>	
<b>Manufacturer Information: WL104 AN-SLQ25C EC-2</b>	
Manufacturer Name: Argon	Manufacturer Location: Union Town, PA

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL104 AN-SLQ25C EC-2 - 4

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information:** WL104 AN-SLQ25C EC-2

Administrative Leadtime (*in Months*): 6      Production Leadtime (*in Months*): 14

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Jan 2012	Jan 2013				
Delivery Dates		Mar 2013	Mar 2014				

**Installation:** WL104 AN-SLQ25C EC-2      **Method of Implementation:** AIT/Shipyard      **Installation Name:** 25C EC2 EQUIPMENT

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	1	0.146	0	0.000	1	0.146
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	1	0.146	0	0.000	1	0.146

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.146
FY 2013	4	0.600	-	-	-	-	-	-	-	-	4	0.600
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3		<b>P-1 Line Item Nomenclature:</b> 2213 - Surface Ship Torpedo Def (SSTD)
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): WL104 AN-SLQ25C EC-2 - 4

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> WL104 AN-SLQ25C EC-2	<b>Method of Implementation:</b> AIT/Shipyard	<b>Installation Name:</b> 25C EC2 EQUIPMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	4	0.600	-	-	-	-	-	-	-	-	5	0.746

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	5

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 3 : Asw Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2225 - Fixed Surveillance System
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	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	57.169	60.141	98.896	-	98.896	81.405	78.822	58.314	61.819	0.000	496.566
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	57.169	60.141	98.896	-	98.896	81.405	78.822	58.314	61.819	0.000	496.566
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	57.169	60.141	98.896	-	98.896	81.405	78.822	58.314	61.819	0.000	496.566

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Additional details with respect to this line item are held at a higher classification. This line item is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

**Justification:**

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 3 : Asw Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0204311N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	83.023	8.422	25.547	2.774	-	2.774	1.906	2.408	2.449	2.491	0.000	129.020
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	83.023	8.422	25.547	2.774	-	2.774	1.906	2.408	2.449	2.491	0.000	129.020
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	83.023	8.422	25.547	2.774	-	2.774	1.906	2.408	2.449	2.491	0.000	129.020

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	0.567	0.512	0.638	-	0.638	0.069	0.642	0.348	0.076	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

PROGRAM COVERAGE: Surveillance Towed Array Sensor System (SURTASS) is the mobile, tactical and strategic arm of the Navy's undersea surveillance capability that provides deep ocean and littoral acoustic detection and cueing for tactical weapon platforms against diesel and nuclear submarines as well as surface vessels in any given Area of Operations worldwide. Dedicated ASW T-AGOS ships tow long acoustic arrays that collect acoustic data and relay that data to shore facilities via SHF satellites for processing and fusion of the resulting contact data with other sensors. Currently, there are five T-AGOS ships operating in the Pacific area. Ship configurations are: (1) Two T-AGOS Small Waterplane Area Twin Hull (SWATH) ships supporting passive operations. This ship class utilizes the Integrated Common Processor (ICP) or the Acoustic Rapid COTS Insertion (ARCI) signal processing and display systems that are common with the SSN Sonar Processing System. The TB-29A Twinline (TL-29A) arrays provide improved detection and classification capability; (2) One Low Frequency Active (LFA) equipped ship, T-AGOS 23 USNS IMPECCABLE, the first "large" SWATH, configured with the ICP Processing and Display system and the Low Frequency Active (LFA) transmit capability. The active capability provides greatly improved detection against diesel submarines as well as the quiet nuclear submarine threat; (3) Two T-AGOS SWATH-P platforms, T-AGOS 20 USNS ABLE and T-AGOS 21 USNS EFFECTIVE, supporting passive/active operations. USNS ABLE utilizes the ICP processing and display system and is outfitted with the RDT&E,N Compact Low Frequency Active (CLFA) Engineering Development Model (EDM) capability installed as part of her reactivation. USNS EFFECTIVE utilizes the Integrated Common Processor (ICP) and is outfitted with the first production CLFA capability installed in FY11. The CLFA capability will be provided to USNS VICTORIOUS, another SWATH-P, in FY12, completing the planned production effort. The initial RDT&E EDM system began its testing in FY08 and will continue into FY12. Two production systems were procured under this line item - one in FY09 and one in FY10. CLFA installation is complex and occurs over a time period that includes a minimum 90-day interval between award of a contract and start of work, a minimum of six months for ship modification, and four months for array installation and testing. In addition to the five platforms described above, two shore sites are configured with the ICP and ARCI processing and display suites to receive the T-AGOS acoustic data via SHF satellite communication links. Major upgrades to the ship platforms include TB-29A Twinline Arrays, the ICP signal processing and display upgrade that provides improved ship and shore processing in support of the TB-29A twinline arrays and active processing, and Communication C4I upgrades. A cost sharing agreement with Japan also provides a shore site and two Japanese SWATH ships with similar capability to the T-AGOS SWATH ships for the Western Pacific region. Under the cost sharing agreement, the Japanese Auxiliary Ocean Surveillance (JAOS) ships were upgraded with Twinline A180R passive receive arrays in FY04, and were updated with the ICP in FY09. FY11 funds installed the second CLFA production system.

[P3A / VG006 - Compact Low Frequency Active]: VG006

Upgrade Procurement - Integrated Common Processor (ICP) signal processing and display upgrade for SURTASS platforms, ICP signal processing and display upgrade for J-AOS, twinline arrays, twinline array support equipment, ICP Shore OPS and Maintenance trainers at SUBLRNFAC Norfolk, VA and NOPF WI, WA, and Configuration Control Model (CCM) Tech Refresh system.

[P3A / VG007 - Field Changes/Modifications]: VG007

Field Changes/Modifications- Provide for correction of deficiencies identified by Fleet use, array support equipment, communications equipment, and replacement of aging/unsupportable equipment.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 3 : Asw Electronic Equipment

**P-1 Line Item Nomenclature:**  
2237 - SURTASS

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0204311N

VG776  
Installation of Equipment - Installation Agents: SSC LANT, SSC PAC, Military Sealift Command, Lockheed Martin, and General Dynamics.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
VG006 - Compact Low Frequency Active - 1	P3A		-	-	38.400	-	-	6.200	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
VG006 - Integrated Common Processor - 2	P3A		-	-	1.360	-	-	1.150	-	-	9.450	-	-	1.645	-	-	0.000	-	-	1.645
VG006 - TB-29 Twinline Arrays - 3	P3A		-	-	36.587	-	-	0.000	-	-	8.100	-	-	0.000	-	-	0.000	-	-	0.000
VG006 - SURTASS Team Trainer - 4	P3A		-	-	0.000	-	-	0.000	-	-	2.000	-	-	0.000	-	-	0.000	-	-	0.000
VG006 - ICP Training Device - 5	P3A		-	-	0.000	-	-	0.000	-	-	5.100	-	-	0.000	-	-	0.000	-	-	0.000
VG007 - Field Changes/ Modifications - 6	P3A		-	-	6.676	-	-	1.072	-	-	0.897	-	-	1.129	-	-	0.000	-	-	1.129
<b>Total Gross/Weapon System Cost</b>					<b>83.023</b>			<b>8.422</b>			<b>25.547</b>			<b>2.774</b>			-			<b>2.774</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
VG006 - Compact Low Frequency Active - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	44.600
VG006 - Integrated Common Processor - 2	P3A		-	-	0.731	-	-	1.258	-	-	1.279	-	-	1.400	-	-	0.000	-	-	18.273
VG006 - TB-29 Twinline Arrays - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	44.687
VG006 - SURTASS Team Trainer - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	2.000
VG006 - ICP Training Device - 5	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	5.100
VG007 - Field Changes/ Modifications - 6	P3A		-	-	1.175	-	-	1.150	-	-	1.170	-	-	1.091	-	-	0.000	-	-	14.360
<b>Total Gross/Weapon System Cost</b>					<b>1.906</b>			<b>2.408</b>			<b>2.449</b>			<b>2.491</b>			<b>0.000</b>			<b>129.020</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - Compact Low Frequency Active - 1

<b>Models of Systems Affected:</b> Compact Low Frequency Active	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	38.400	6.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	44.600
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	38.400	6.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	44.600
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>38.400</b>	<b>6.200</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>44.600</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Compact Low Frequency Active (CLFA) system will provide active capability for the TAGOS small SWATH platforms. The current Low Frequency Active system on the Large SWATH T-23 consists of 18 source modules (4,300 lbs. each), a curved tracked handling system (130,000 lbs.) and 18 inboard Power Amplifiers (2,300 lbs each). This new CLFA system, which allows better detection of the quiet diesel submarines, utilizes current technology with lighter weight and smaller components at a total weight of approximately one-half of the existing LFA technology. Production systems were procured in FY09 and FY10 following successful demonstration of EDM capabilities.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - Compact Low Frequency Active - 1

<b>Models of Systems Affected:</b> Compact Low Frequency Active	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG006 - Compact Low Frequency Active												
B Kits												
Recurring												
1.1.1) Compact Low Frequency Active - NonOrganic <sup>(1)</sup>	2	32.400	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		32.400		0.000		0.000		0.000		0.000		0.000
<i>Total, VG006 - Compact Low Frequency Active</i>	2	32.400	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		32.400		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		32.400		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		6.000		6.200		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>38.400</b>		<b>6.200</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG006 - Compact Low Frequency Active												
B Kits												
Recurring												
1.1.1) Compact Low Frequency Active - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	2	32.400
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		32.400
<i>Total, VG006 - Compact Low Frequency Active</i>	-	-	-	-	-	-	-	-	-	-	2	32.400
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		32.400
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		32.400
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		12.200
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>44.600</b>

Remarks:



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> VG006 - Compact Low Frequency Active - 1

<b>Models of Systems Affected:</b> Compact Low Frequency Active	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N
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<sup>(1)</sup>The Compact Low Frequency Active (CLFA) system will provide active capability for the TAGOS small SWATH platforms. The current Low Frequency Active system on the Large SWATH T-23 consists of 18 source modules (4,300 lbs. each), a curved tracked handling system (130,000 lbs.) and 18 inboard Power Amplifiers (2,300 lbs each). This new CLFA system, which allows better detection of the quiet diesel submarines, utilizes current technology with lighter weight and smaller components at a total weight of approximately one-half of the existing LFA technology. Production systems were procured in FY09 and FY10 following successful demonstration of EDM capabilities.

Installation Remarks: Installation includes funds to convert T-AGOS platform to support CLFA system, including hull penetration to support centerwell. These modifications must be accomplished prior to delivery of the CLFA System.

**Manufacturer Information: VG006 - Compact Low Frequency Active**

Manufacturer Name: BAE Systems, LP	Manufacturer Location: Nashua, NH
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 15

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011						
Delivery Dates	Jan 2011						

**Installation:** VG006 - Compact Low Frequency Active      **Method of Implementation:** AIT (Alteration Installation Team)      **Installation Name:** Compact Low Frequency Active

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	6.000	1	6.200	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	6.000	1	6.200	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - Compact Low Frequency Active - 1
<b>Models of Systems Affected:</b> Compact Low Frequency Active	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N

<b>Installation:</b> VG006 - Compact Low Frequency Active	<b>Method of Implementation:</b> AIT (Alteration Installation Team)	<b>Installation Name:</b> Compact Low Frequency Active
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	2	12.200
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	2	12.200

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - Integrated Common Processor - 2

<b>Models of Systems Affected:</b> Integrated Common Processor	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.360	1.150	9.450	1.645	0.000	1.645	0.731	1.258	1.279	1.400	0.000	18.273
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.360	1.150	9.450	1.645	0.000	1.645	0.731	1.258	1.279	1.400	0.000	18.273
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.360</b>	<b>1.150</b>	<b>9.450</b>	<b>1.645</b>	<b>0.000</b>	<b>1.645</b>	<b>0.731</b>	<b>1.258</b>	<b>1.279</b>	<b>1.400</b>	<b>0.000</b>	<b>18.273</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY 10-11 funds procurement of ICP ship sets for SURTASS ships. FY 12 procures remaining Tech Refresh ship sets for the SURTASS Program and associated shore processing.  
 NOTE: ICP system configuration varies from ship to ship depending upon the type of ship arrays used (passive only, or passive and active). Accordingly, the procurement and installation costs will vary from one platform to another, depending on the configuration and the ship.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - Integrated Common Processor - 2

<b>Models of Systems Affected:</b> Integrated Common Processor	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG006 - Integrated Common Processor												
B Kits												
Recurring												
1.1.1) Integrated Common Processor - NonOrganic (2)	2	1.360	1	0.661	4	8.700	-	-	-	-	-	-
<i>Subtotal Recurring</i>		1.360		0.661		8.700		0.000		0.000		0.000
<i>Total, VG006 - Integrated Common Processor</i>	2	1.360	1	0.661	4	8.700	-	-	-	-	-	-
<i>Total, All Modifications</i>		1.360		0.661		8.700		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		1.360		0.661		8.700		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.489		0.750		1.645		0.000		1.645
<b>Total Cost (Procurement + Support + Installation)</b>		<b>1.360</b>		<b>1.150</b>		<b>9.450</b>		<b>1.645</b>		<b>0.000</b>		<b>1.645</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG006 - Integrated Common Processor												
B Kits												
Recurring												
1.1.1) Integrated Common Processor - NonOrganic (2)	-	-	2	1.258	1	0.579	-	-	-	-	10	12.558
<i>Subtotal Recurring</i>		0.000		1.258		0.579		0.000		0.000		12.558
<i>Total, VG006 - Integrated Common Processor</i>	-	-	2	1.258	1	0.579	-	-	-	-	10	12.558
<i>Total, All Modifications</i>		0.000		1.258		0.579		0.000		0.000		12.558
<i>Procurement Cost (Procurement + Support)</i>		0.000		1.258		0.579		0.000		0.000		12.558
<i>Total Installation Cost</i>		0.731		0.000		0.700		1.400		0.000		5.715
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.731</b>		<b>1.258</b>		<b>1.279</b>		<b>1.400</b>		<b>0.000</b>		<b>18.273</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - Integrated Common Processor - 2

<b>Models of Systems Affected:</b> Integrated Common Processor	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N
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<sup>(2)</sup>FY 10-11 funds procurement of ICP ship sets for SURTASS ships. FY 12 procures four Tech Refresh ship sets for the SURTASS Program and associated shore processing.

NOTE: ICP system configuration varies from ship to ship depending upon the type of ship arrays used (passive only, or passive and active). Accordingly, the procurement and installation costs will vary from one platform to another, depending on the configuration and the ship.

Installation Remarks: Installation schedules are subject to change based on ship availability.  
ICP system configuration varies from ship to ship depending upon the type of ship arrays used (passive only, or passive and active). Accordingly, the installation costs will vary from one platform to another, depending on the configuration and the ship.  
Production lead time for 1st two FY12 systems is 10 months due to minimal shipment lead time for CONUS installs. Other systems require overseas shipments for OCONUS installs.

**Manufacturer Information: VG006 - Integrated Common Processor**

Manufacturer Name: Lockheed Martin	Manufacturer Location: VA
Administrative Leadtime ( <i>in Months</i> ): 0	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011						
Delivery Dates	Oct 2011						

Manufacturer Name: SSC PAC	Manufacturer Location: San Diego, CA
Administrative Leadtime ( <i>in Months</i> ): 0	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011						
Delivery Dates	Oct 2011						

**Installation: VG006 - Integrated Common Processor**      **Method of Implementation:** AIT (Alteration Installation Team)      **Installation Name:** Integrated Common Processor

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	0.000	1	0.489	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	1	0.750	-	-	-	-	-	-
FY 2012	-	-	-	-	1	0.000	2	1.645	0	0.000	2	1.645
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3		<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS
<b>Models of Systems Affected:</b> Integrated Common Processor		<b>Modification Nomenclature (Modification Title, Modification Number):</b> VG006 - Integrated Common Processor - 2
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0204311N

<b>Installation:</b> VG006 - Integrated Common Processor	<b>Method of Implementation:</b> AIT (Alteration Installation Team)	<b>Installation Name:</b> Integrated Common Processor
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>0.000</b>	<b>1</b>	<b>0.489</b>	<b>2</b>	<b>0.750</b>	<b>2</b>	<b>1.645</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>1.645</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	2	0.489
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.750
FY 2012	1	0.731	-	-	-	-	-	-	-	-	4	2.376
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	1	0.700	1	0.700	-	-	2	1.400
FY 2016	-	-	-	-	-	-	1	0.700	-	-	1	0.700
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>0.731</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>0.700</b>	<b>2</b>	<b>1.400</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>5.715</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	1	-	-	1	-	2	-	1	-	1	-	1	-	-	-	-	-	1	-	-	1	1	-	-	-	10		
Out	-	-	-	1	-	-	1	-	2	-	1	-	1	-	1	-	-	-	-	-	1	-	-	1	1	-	-	-	10		

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - TB-29 Twinline Arrays - 3

**Models of Systems Affected:** TB-29 Twinline Arrays    **Type Modification:** [No Modification Type Specified]    **Related RDT&E PEs:** 0204311N

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	36.587	0.000	8.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	44.687
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	36.587	0.000	8.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	44.687
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>36.587</b>	<b>0.000</b>	<b>8.100</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>44.687</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The TB-29A Twinline is a shallow water variant of the common array produced by NAVSEA. The array consists of 2 short array lengths and is designed for increased surveillance capability in high clutter environments and littoral areas. Six TB-29A Twinline arrays were delivered FY02 - FY07. In FY09, an additional array was procured by converting two TB-29A arrays into one TL-29A array which was delivered in 3QFY10 and was installed at no cost in FY11. Support equipment procurement is for ancillary test sets, array headline and roll control systems and array module modifications and testing. In FY12, an additional TL-29A array will be procured for delivery in 4QFY13. Installation funding is not required for the support equipment.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - TB-29 Twinline Arrays - 3

<b>Models of Systems Affected:</b> TB-29 Twinline Arrays	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG006 - TB-29 Twinline Arrays												
B Kits												
Recurring												
1.1.1) TB-29 Twinline Arrays - NonOrganic <sup>(3)</sup>	7	35.687	-	-	1	8.100	-	-	-	-	-	-
<i>Subtotal Recurring</i>		35.687		0.000		8.100		0.000		0.000		0.000
<i>Total, VG006 - TB-29 Twinline Arrays</i>	7	35.687	-	-	1	8.100	-	-	-	-	-	-
<i>Total, All Modifications</i>		35.687		0.000		8.100		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		35.687		0.000		8.100		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.900		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>36.587</b>		<b>0.000</b>		<b>8.100</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG006 - TB-29 Twinline Arrays												
B Kits												
Recurring												
1.1.1) TB-29 Twinline Arrays - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	-	-	-	-	8	43.787
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		43.787
<i>Total, VG006 - TB-29 Twinline Arrays</i>	-	-	-	-	-	-	-	-	-	-	8	43.787
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		43.787
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		43.787
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.900
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>44.687</b>

**Remarks:**

<sup>(3)</sup>The TB-29A Twinline is a shallow water variant of the common array produced by NAVSEA. The array consists of 2 short array lengths and is designed for increased surveillance capability in high clutter environments and littoral areas. Six TB-29A Twinline arrays were delivered FY02 - FY07.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - TB-29 Twinline Arrays - 3

<b>Models of Systems Affected:</b> TB-29 Twinline Arrays	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204311N
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In FY09, an additional array was procured by converting two TB-29A arrays into one TL-29A array which was delivered in 3QFY10 and was installed at no cost in FY11. Support equipment procurement is for ancillary test sets, array headline and roll control systems and array module modifications and testing. In FY12, an additional TL-29A array will be procured for delivery in 4QFY13. Installation funding is not required for the support equipment.

Installation Remarks: Installation only occurs on 5 platforms; FY09 Array was installed at no cost in FY11. FY12 array will NOT be installed; it will be a ready asset in theater. Historically, an array is lost or severely damaged every 18 months. Last array was lost Sept 06; last array severely damaged was Jul 11. Without a ready asset in theater, if an array is lost or damaged, a SURTASS ship cannot deploy and execute its mission.

**Manufacturer Information: VG006 - TB-29 Twinline Arrays**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime ( <i>in Months</i> ): 2	Production Leadtime ( <i>in Months</i> ): 14

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012					
Delivery Dates		Sep 2013					

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime ( <i>in Months</i> ): 2	Production Leadtime ( <i>in Months</i> ): 14

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012					
Delivery Dates		Sep 2013					

<b>Installation:</b> VG006 - TB-29 Twinline Arrays	<b>Method of Implementation:</b> AIT (Alteration Installation Team)	<b>Installation Name:</b> TB-29 Twinline Arrays
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	6	0.900	1	0.000	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>6</b>	<b>0.900</b>	<b>1</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3		<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS
<b>Models of Systems Affected:</b> TB-29 Twinline Arrays		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - TB-29 Twinline Arrays - 3
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0204311N

<b>Installation:</b> VG006 - TB-29 Twinline Arrays		<b>Method of Implementation:</b> AIT (Alteration Installation Team)				<b>Installation Name:</b> TB-29 Twinline Arrays						
Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	7	0.900
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	1	0.000	1	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	1	0.000	8	0.900

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8
Out	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3				<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> VG006 - SURTASS Team Trainer - 4				
<b>Models of Systems Affected:</b> SURTASS Team Trainer			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	2.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	2.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>2.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2.000</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Team Trainer will provide SURTASS crews with a second high fidelity synthetic and live playback training capability to support Home Port Training Periods (HPTP) and Pre-Deployment Certification Periods (PDCP).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3		<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS
<b>Models of Systems Affected:</b> SURTASS Team Trainer		<b>Modification Nomenclature (Modification Title, Modification Number):</b> VG006 - SURTASS Team Trainer - 4
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG006 - SURTASS Team Trainer												
B Kits												
Recurring												
1.1.1) SURTASS Team Trainer - NonOrganic <sup>(4)</sup>	-	-	-	-	1	1.751	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		1.751		0.000		0.000		0.000
<i>Total, VG006 - SURTASS Team Trainer</i>	-	-	-	-	1	1.751	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		1.751		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		1.751		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.249		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>2.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG006 - SURTASS Team Trainer												
B Kits												
Recurring												
1.1.1) SURTASS Team Trainer - NonOrganic <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	1	1.751
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		1.751
<i>Total, VG006 - SURTASS Team Trainer</i>	-	-	-	-	-	-	-	-	-	-	1	1.751
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		1.751
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		1.751
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.249
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>2.000</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - SURTASS Team Trainer - 4
<b>Models of Systems Affected:</b> SURTASS Team Trainer	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
<sup>(4)</sup> The Team Trainer will provide SURTASS crews with a second high fidelity synthetic and live playback training capability to support Home Port Training Periods (HPTP) and Pre-Deployment Certification Periods (PDCP).		

<b>Manufacturer Information: VG006 - SURTASS Team Trainer</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: VA			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates		Jan 2012					
Delivery Dates		Mar 2013					
Manufacturer Name: NSWC Carderock/ARL				Manufacturer Location: Carderock, MD/State College, PA			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates		Jan 2012					
Delivery Dates		Mar 2013					

<b>Installation:</b> VG006 - SURTASS Team Trainer			<b>Method of Implementation:</b> AIT (Alteration Installation Team)				<b>Installation Name:</b> SURTASS Team Trainer					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	1	0.249	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	1	0.249	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3		<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS
<b>Models of Systems Affected:</b> SURTASS Team Trainer		<b>Modification Nomenclature (Modification Title, Modification Number):</b> VG006 - SURTASS Team Trainer - 4
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> VG006 - SURTASS Team Trainer	<b>Method of Implementation:</b> AIT (Alteration Installation Team)	<b>Installation Name:</b> SURTASS Team Trainer
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.249
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	1	0.249

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> VG006 - ICP Training Device - 5

**Models of Systems Affected:** ICP Training Device      **Type Modification:** [No Modification Type Specified]      **Related RDT&E PEs:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	5.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.100
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	5.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.100
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>5.100</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>5.100</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procurement of ICP Trainer for IUSS School House.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3					<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - ICP Training Device - 5				
<b>Models of Systems Affected:</b> ICP Training Device			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b>						
<b>Financial Plan</b>			<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
			<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>														
VG006 - ICP Training Device														
B Kits														
Recurring														
1.1.1) ICP Training Device - NonOrganic <sup>(5)</sup>			-	-	-	-	2	4.600	-	-	-	-	-	-
<i>Subtotal Recurring</i>				0.000		0.000		4.600		0.000		0.000		0.000
<i>Total, VG006 - ICP Training Device</i>			-	-	-	-	2	4.600	-	-	-	-	-	-
<i>Total, All Modifications</i>				0.000		0.000		4.600		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>				0.000		0.000		4.600		0.000		0.000		0.000
<i>Total Installation Cost</i>				0.000		0.000		0.500		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>				<b>0.000</b>		<b>0.000</b>		<b>5.100</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>
<b>Financial Plan</b>			<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
			<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>														
VG006 - ICP Training Device														
B Kits														
Recurring														
1.1.1) ICP Training Device - NonOrganic <sup>(5)</sup>			-	-	-	-	-	-	-	-	-	-	2	4.600
<i>Subtotal Recurring</i>				0.000		0.000		0.000		0.000		0.000		4.600
<i>Total, VG006 - ICP Training Device</i>			-	-	-	-	-	-	-	-	-	-	2	4.600
<i>Total, All Modifications</i>				0.000		0.000		0.000		0.000		0.000		4.600
<i>Procurement Cost (Procurement + Support)</i>				0.000		0.000		0.000		0.000		0.000		4.600
<i>Total Installation Cost</i>				0.000		0.000		0.000		0.000		0.000		0.500
<b>Total Cost (Procurement + Support + Installation)</b>				<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>5.100</b>
<b>Remarks:</b>														
<sup>(5)</sup> Procurement of two ICP Trainers for IUSS School House.														



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - ICP Training Device - 5

<b>Models of Systems Affected:</b> ICP Training Device	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information: VG006 - ICP Training Device**

Manufacturer Name: Lockheed Martin				Manufacturer Location: VA			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 0			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates		Jan 2012					
Delivery Dates		Apr 2013					

Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 0			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates		Jan 2012					
Delivery Dates		Apr 2013					

**Installation: VG006 - ICP Training Device**      **Method of Implementation:** AIT (Alteration Installation Team)      **Installation Name:** ICP Training Device

<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	2	0.500	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	2	0.500	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG006 - ICP Training Device - 5

<b>Models of Systems Affected:</b> ICP Training Device	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> VG006 - ICP Training Device	<b>Method of Implementation:</b> AIT (Alteration Installation Team)	<b>Installation Name:</b> ICP Training Device
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.500
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	2	0.500

**Installation Schedule**

	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG007 - Field Changes/Modifications - 6

<b>Models of Systems Affected:</b> Field Changes/ Modifications	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	6.676	1.072	0.897	1.129	0.000	1.129	1.175	1.150	1.170	1.091	0.000	14.360
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	6.676	1.072	0.897	1.129	0.000	1.129	1.175	1.150	1.170	1.091	0.000	14.360
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>6.676</b>	<b>1.072</b>	<b>0.897</b>	<b>1.129</b>	<b>0.000</b>	<b>1.129</b>	<b>1.175</b>	<b>1.150</b>	<b>1.170</b>	<b>1.091</b>	<b>0.000</b>	<b>14.360</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Field Changes/Modifications for correction of deficiencies identified by Fleet use, array support, communications equipment and replacement of aging/unsupportable equipment.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3		<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS
<b>Models of Systems Affected:</b> Field Changes/ Modifications		<b>Modification Nomenclature (Modification Title, Modification Number):</b> VG007 - Field Changes/Modifications - 6
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG007 - Field Changes/Modifications												
B Kits												
Recurring												
1.1.1) Field Changes/Modifications - NonOrganic <sup>(6)</sup>	38	4.476	5	0.728	5	0.512	5	0.758	-	-	5	0.758
<i>Subtotal Recurring</i>		4.476		0.728		0.512		0.758		0.000		0.758
<i>Total, VG007 - Field Changes/Modifications</i>	38	4.476	5	0.728	5	0.512	5	0.758	-	-	5	0.758
<i>Total, All Modifications</i>		4.476		0.728		0.512		0.758		0.000		0.758
<i>Procurement Cost (Procurement + Support)</i>		4.476		0.728		0.512		0.758		0.000		0.758
<i>Total Installation Cost</i>		2.200		0.344		0.385		0.371		0.000		0.371
<b>Total Cost (Procurement + Support + Installation)</b>		<b>6.676</b>		<b>1.072</b>		<b>0.897</b>		<b>1.129</b>		<b>0.000</b>		<b>1.129</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
VG007 - Field Changes/Modifications												
B Kits												
Recurring												
1.1.1) Field Changes/Modifications - NonOrganic <sup>(6)</sup>	5	0.817	5	0.759	5	0.761	5	0.698	-	-	73	9.509
<i>Subtotal Recurring</i>		0.817		0.759		0.761		0.698		0.000		9.509
<i>Total, VG007 - Field Changes/Modifications</i>	5	0.817	5	0.759	5	0.761	5	0.698	-	-	73	9.509
<i>Total, All Modifications</i>		0.817		0.759		0.761		0.698		0.000		9.509
<i>Procurement Cost (Procurement + Support)</i>		0.817		0.759		0.761		0.698		0.000		9.509
<i>Total Installation Cost</i>		0.358		0.391		0.409		0.393		0.000		4.851
<b>Total Cost (Procurement + Support + Installation)</b>		<b>1.175</b>		<b>1.150</b>		<b>1.170</b>		<b>1.091</b>		<b>0.000</b>		<b>14.360</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): VG007 - Field Changes/Modifications - 6
<b>Models of Systems Affected:</b> Field Changes/ Modifications	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
<sup>(6)</sup> Field Changes/Modifications for correction of deficiencies identified by Fleet use, array support, communications equipment and replacement of aging/unsupportable equipment.		

<b>Manufacturer Information: VG007 - Field Changes/Modifications</b>							
Manufacturer Name: SSC PAC				Manufacturer Location: San Diego, CA			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 10			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Oct 2011	Oct 2012				
Delivery Dates	Aug 2011	Aug 2012	Aug 2013				
Manufacturer Name: SSC LANT				Manufacturer Location: Charleston, SC			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 10			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Oct 2011	Oct 2012				
Delivery Dates	Aug 2011	Aug 2012	Aug 2013				
Manufacturer Name: Lockheed Martin				Manufacturer Location: VA			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 10			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Oct 2011	Oct 2012				
Delivery Dates	Aug 2011	Aug 2012	Aug 2013				

<b>Installation:</b> VG007 - Field Changes/Modifications		<b>Method of Implementation:</b> AIT (Alteration Installation Team)				<b>Installation Name:</b> Field Changes/Modifications						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	38	2.200	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	5	0.344	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	5	0.385	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	5	0.371	0	0.000	5	0.371
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2237 - SURTASS	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> VG007 - Field Changes/Modifications - 6
<b>Models of Systems Affected:</b> Field Changes/Modifications	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> VG007 - Field Changes/Modifications		<b>Method of Implementation:</b> AIT (Alteration Installation Team)				<b>Installation Name:</b> Field Changes/Modifications						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	38	2.200	5	0.344	5	0.385	5	0.371	0	0.000	5	0.371

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	38	2.200
FY 2011	-	-	-	-	-	-	-	-	-	-	5	0.344
FY 2012	-	-	-	-	-	-	-	-	-	-	5	0.385
FY 2013	-	-	-	-	-	-	-	-	-	-	5	0.371
FY 2014	5	0.358	-	-	-	-	-	-	-	-	5	0.358
FY 2015	-	-	5	0.391	-	-	-	-	-	-	5	0.391
FY 2016	-	-	-	-	5	0.409	-	-	-	-	5	0.409
FY 2017	-	-	-	-	-	-	5	0.393	-	-	5	0.393
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	0.358	5	0.391	5	0.409	5	0.393	-	-	73	4.851

**Installation Schedule**

	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot								
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4										
In	38	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	73
Out	38	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	73

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 3 : Asw Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force
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Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	165.194	18.485	13.453	18.428	-	18.428	18.184	18.336	17.767	18.263	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	165.194	18.485	13.453	18.428	-	18.428	18.184	18.336	17.767	18.263	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	165.194	18.485	13.453	18.428	-	18.428	18.184	18.336	17.767	18.263	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	2.069	0.061	0.717	-	0.717	1.317	0.718	0.600	0.200	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems: MPRF Mission Support Systems provide the MPRF commanders with the capability to plan, direct, control and evaluate the tactical operations of MPRF and other assigned units within their respective area of responsibility. These operations include littoral, open ocean, and over land all sensor (e.g., Electro Optical (EO), Infrared (IR), Inverse Synthetic-Aperture Radar (ISAR)) surveillance, anti-surface warfare, over-the-horizon targeting, counter-drug operations, power projection, antisubmarine warfare, mining, search and rescue, homeland defense, and special operations.

The program includes fixed-site Tactical Operations Centers (TOCs) or equivalent and Mobile Tactical Operations Centers (MTOCs) or equivalent. Each TacMobile unit is a system-of-systems. TOCs provide sensor and tactical data communications systems; mission planning/mission support, sensor analysis capabilities; avionics and weapons system interfaces, media devices and data handling capabilities, at fixed-site locations. MTOC is a scalable and mobile version of the TOC for contingency operations and for support of operations from expeditionary airfields that do not have a TOC.

The TacMobile program uses an evolutionary development strategy consisting of incremental upgrades to meet new and emergent Fleet requirements, while retaining current capabilities. Increments are planned and resourced to support the new P-8A Multi-mission Maritime Aircraft (MMA) and new and updated sensors on the P-3C series aircraft. WH046. Analysis Interface Equipment. This cost code contains TOC sensor analysis, mission planning, and in-flight mission support capabilities, avionics and weapons system interfaces, computer upgrades and associated software for interfacing, analysis and processing equipment to the supported weapons systems (aircraft). It also includes mobility and facilities equipment necessary to power and support the processing equipment and interfaces.

11 TOCs: 7 operational systems (located at Jacksonville Florida, Sigonella Italy, Kaneohe Bay Hawaii, Whidbey Island Washington, Kadena Japan, Misawa Japan, and Bahrain), 1 training site (located at Center for Surface Combat Systems Unit (CSCSU) Dam Neck, Virginia), 2 laboratory sites (a communications integration lab located at Space & Naval Warfare Systems Command Systems Center (SSC) Atlantic, and an aircraft integration lab at SSC Atlantic detachment Patuxent River Maryland) and 1 operational system removed in FY10 from NAS Brunswick ME as a result of base closure, to be recapitalized as an MTOC as part of the transformation to a more mobile, expeditionary Force.

13 MTOCs: 11 operational systems (home ported at Jacksonville Florida (4 sites), Sigonella Italy, Misawa Japan, Whidbey Island Washington, Bahrain, Comalapa El Salvador, and Coronado (North Island) California (2 sites)), and 1 C4I engineering and maintenance support system (located at the In Service Engineering Activity (ISEA), SSC Atlantic), and 1 C4I mobile systems school house (located at Center for Surface Combat Systems Unit (CSCSU) Dam Neck Virginia).

Further transition and relocations are anticipated as primary maritime patrol and reconnaissance aircraft operating locations evolve in support of contingency operations and as a result of the introduction of the P-8A, as the replacement aircraft for the P-3C, and the broad area maritime surveillance unmanned aerial system. The TOC and MTOC personnel along with their C4I infrastructure will transition with these aircraft from a primarily forward deployed force to a more expeditionary surge-ready force. This will entail a reduction in the number of fixed site TOC and an increase in the number of MTOCs.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 3 : Asw Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2246 - Maritime Patrol and Reconnaissance Force

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

The related RDTEN is PE 0604231N.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems (See enclosed P-40A)	P40A, P5A				160.988			7.505			0.000			0.000			0.000			0.000
BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1 - 1	P3A		-	-	0.000	-	-	4.466	-	-	2.984	-	-	4.882	-	-	0.000	-	-	4.882
BLI 2246 (MPRF) Mission Support Systems - Increment 2.1 - 2	P3A		-	-	0.000	-	-	6.514	-	-	10.469	-	-	8.779	-	-	0.000	-	-	8.779
BLI 2246 (MPRF) Mission Support Systems - Tech Refresh - 3	P3A		-	-	4.206	-	-	0.000	-	-	0.000	-	-	4.767	-	-	0.000	-	-	4.767
<b>Total Gross/Weapon System Cost</b>					<b>165.194</b>			<b>18.485</b>			<b>13.453</b>			<b>18.428</b>			<b>-</b>			<b>18.428</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1 - 1	P3A		-	-	2.541	-	-	0.854	-	-	0.092	-	-	0.000	-	-	0.000	-	-	15.819
BLI 2246 (MPRF) Mission Support Systems - Increment 2.1 - 2	P3A		-	-	11.750	-	-	3.162	-	-	0.092	-	-	0.000	-	-	0.000	-	-	40.766
BLI 2246 (MPRF) Mission Support Systems - Tech Refresh - 3	P3A		-	-	0.277	-	-	6.504	-	-	7.034	-	-	7.892	-	-	0.572	-	-	31.252
<b>Total Gross/Weapon System Cost</b>					<b>18.184</b>			<b>18.336</b>			<b>17.767</b>			<b>18.263</b>			<b>-</b>			<b>-</b>



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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 3 : Asw Electronic Equipment		<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.		
<p><b>Justification:</b></p> <p>FY13 Procurements Include: Tech Refresh of TOC and MTOC war fighter communications and war fighter Interfaces; Increment 2.1 TOC analysis capabilities upgrades, war fighter interface upgrades, and war fighter communications upgrades; Increment 2.1 MTOC analysis capabilities, war fighter interfaces, and war fighter communications upgrades. Program acquisition strategy shift to maintain alignment with P-8A, changes PB-12 planned "Increment 3" to "Tech Refresh 2.1.1", and PB12 planned "Increment 4" to "Increment 3".</p> <p>TacMobile has three distinct tech refresh efforts across the FYDP: "Tech Refresh 2.0.1" provides technical modernization and refresh to previously fielded Increment 2.0 systems and modernizes operating system baseline and maintains information security posture, "Tech Refresh 2.1.1" provides technical modernization and refresh to previously fielded Increment 2.1 systems to enable interface with P-8A Increment 2 engineering change proposals, and "Overarching Tech Refresh" which provides an end-to end technical refresh to certain MTOC and TOC systems that have not been upgraded and refreshed to the same baseline as the remaining TacMobile systems. These units are now in need of refresh to enable systems capability and meet increased Fleet requirements.</p>		

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy													<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3						<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force						<b>Aggregated Item Name:</b> BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems						

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) WH046 Tactical/Mobile</b>																			
† 1.1) Increment 2.0	A	-	-	136.990	641.000	8	5.128	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Tech Refresh 2.1.1	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Increment 3.0	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) WH046 Tactical/Mobile</i>				136.990			5.128			0.000			0.000			0.000			0.000
<b>2) WH776 Installation</b>																			
2.1) Shore Pre-Installation Design	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Increment 2.0	A	-	-	23.998	-	-	2.377	-	-	-	-	-	-	-	-	-	-	-	-
2.3) Tech Refresh 2.1.1	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Increment 3.0	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) WH776 Installation</i>				23.998			2.377			0.000			0.000			0.000			0.000
<b>Total</b>				<b>160.988</b>			<b>7.505</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy														<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3							<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force							<b>Aggregated Item Name:</b> BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems					

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) WH046 Tactical/Mobile</b>																			
† 1.1) Increment 2.0	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Tech Refresh 2.1.1	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Increment 3.0	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) WH046 Tactical/Mobile</i>				0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000	
<b>2) WH776 Installation</b>																			
2.1) Shore Pre-Installation Design	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Increment 2.0	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) Tech Refresh 2.1.1	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Increment 3.0	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) WH776 Installation</i>				0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000	
<b>Total</b>				<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	

**Remarks:**

1. Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications and Mobility/Facility component system upgrades of TacMobile systems.
2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of systems change from year to year and costs will vary.
3. Overarching refresh required systems for MTOC KILO - FY13, TOC 5th Fleet - FY15, MTOC-8 - FY16, MTOC JULIET - FY17.

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<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2013 Navy										<b>Date:</b> February 2012		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3				<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force					<b>Aggregated Item Name:</b> BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems			
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty</b> <small>(Each)</small>	<b>Unit Cost</b> <small>(\$ K)</small>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
<b>1) WH046 Tactical/Mobile</b>												
1.1) Increment 2.0 <sup>(1)</sup>		2011	Unknown / Unknown	C / FFP	SSC LANT	Nov 2010	Apr 2011	8	641.000	Y		Jul 2010
<b>Remarks:</b> <sup>(1)</sup> Quantities represent separate COTS Deliveries (not vendor production) of TacMobile Increment 2.0, Tech Refresh and Increment 2.1 Command & Control & Intelligence (C2I) and Communications component system upgrades/tech refreshes for TOC and MTOC systems.; Funding is sent to SSC LANT for the procurement of various hardware components under Firm Fixed Price (FFP) contracts. Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications and Mobility/Facility component system upgrades of TacMobile systems and MTOC systems. Unit cost represents an average, because TacMobile is a system of systems. Configuration of systems to be fielded change from year to year and cost will vary.												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1 - 1

<b>Models of Systems Affected:</b> INC 2.0			<b>Type Modification:</b> Tech Refresh				<b>Related RDT&amp;E PEs:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	4.466	2.984	4.882	0.000	4.882	2.541	0.854	0.092	0.000	0.000	15.819
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	4.466	2.984	4.882	0.000	4.882	2.541	0.854	0.092	0.000	0.000	15.819
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>4.466</b>	<b>2.984</b>	<b>4.882</b>	<b>0.000</b>	<b>4.882</b>	<b>2.541</b>	<b>0.854</b>	<b>0.092</b>	<b>0.000</b>	<b>0.000</b>	<b>15.819</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides technical modernization and technical refresh to fielded existing TacMobile Inc 2.0 systems to ensure continued supportability and maintain fleet core capability functionality throughout service life.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1 - 1

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
	<b>Models of Systems Affected:</b> INC 2.0 <b>Type Modification:</b> Tech Refresh <b>Related RDT&amp;E PEs:</b>											
<b>Procurement</b>												
BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1												
A Kits												
Recurring												
2.1.1) TOC - NonOrganic <sup>(2)</sup>	-	-	1	1.835	2	0.618	2	0.579	-	-	2	0.579
2.1.2) MTOC - NonOrganic	-	-	2	1.833	7	2.150	4	3.870	-	-	4	3.870
<i>Subtotal Recurring</i>		0.000		3.668		2.768		4.449		0.000		4.449
<i>Total, BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1</i>	-	-	3	3.668	9	2.768	6	4.449	-	-	6	4.449
<i>Total, All Modifications</i>		0.000		3.668		2.768		4.449		0.000		4.449
<i>Procurement Cost (Procurement + Support)</i>		0.000		3.668		2.768		4.449		0.000		4.449
<i>Total Installation Cost</i>		0.000		0.798		0.216		0.433		0.000		0.433
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>4.466</b>		<b>2.984</b>		<b>4.882</b>		<b>0.000</b>		<b>4.882</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1												
A Kits												
Recurring												
2.1.1) TOC - NonOrganic <sup>(2)</sup>	2	0.559	2	0.585	-	-	-	-	-	-	9	4.176
2.1.2) MTOC - NonOrganic	6	1.682	-	-	-	-	-	-	-	-	19	9.535
<i>Subtotal Recurring</i>		2.241		0.585		0.000		0.000		0.000		13.711
<i>Total, BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1</i>	8	2.241	2	0.585	-	-	-	-	-	-	28	13.711
<i>Total, All Modifications</i>		2.241		0.585		0.000		0.000		0.000		13.711
<i>Procurement Cost (Procurement + Support)</i>		2.241		0.585		0.000		0.000		0.000		13.711
<i>Total Installation Cost</i>		0.300		0.269		0.092		0.000		0.000		2.108
<b>Total Cost (Procurement + Support + Installation)</b>		<b>2.541</b>		<b>0.854</b>		<b>0.092</b>		<b>0.000</b>		<b>0.000</b>		<b>15.819</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1 - 1

<b>Models of Systems Affected:</b> INC 2.0	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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- Remarks:**
- (2)1. Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications and Mobility/Facility component system upgrades of TacMobile systems.
  2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by Increment.
  3. Install costs vary across fiscal years due to different equipment mixes, site specific requirements, and varied, world-wide locations.
  4. Unit cost variances exist in Tech Refresh procurements in order to bring all TacMobile sites to a common configuration baseline.
  5. Integration, pre-installation and checkout, packaging, and shipping require a 6 month lead time prior to installation.
  6. 1Q installation due to integration lead time and unit availability.
  7. Unit cost variances exist in Tech Refresh 2.0.1 because FY11 and FY13 component procurements include high cost MIDS-LVT units not required at every site.

**Manufacturer Information: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1**

Manufacturer Name: SSC LANT				Manufacturer Location: Charleston, SC			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 4			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Dec 2011	Feb 2013				
Delivery Dates	Mar 2011	Apr 2012	Jun 2013				

<b>Installation:</b> BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TR 2.0.1 Installation
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	3	0.798	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	3	0.216	6	0.433	0	0.000	6	0.433
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	3	0.798	3	0.216	6	0.433	0	0.000	6	0.433

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1 - 1

<b>Models of Systems Affected:</b> INC 2.0	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TR 2.0.1 Installation
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	3	0.798
FY 2012	-	-	-	-	-	-	-	-	-	-	9	0.649
FY 2013	6	0.300	-	-	-	-	-	-	-	-	6	0.300
FY 2014	-	-	8	0.269	-	-	-	-	-	-	8	0.269
FY 2015	-	-	-	-	2	0.092	-	-	-	-	2	0.092
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>6</b>	<b>0.300</b>	<b>8</b>	<b>0.269</b>	<b>2</b>	<b>0.092</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>28</b>	<b>2.108</b>

Installation Schedule																																		
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
In	-	-	-	-	3	-	-	-	3	6	-	-	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	-	-	28
Out	-	-	-	-	3	-	-	-	3	6	-	-	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	-	-	28



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> BLI 2246 (MPRF) Mission Support Systems - Increment 2.1 - 2

<b>Models of Systems Affected:</b> N/A	<b>Type Modification:</b> System Upgrades	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	6.514	10.469	8.779	0.000	8.779	11.750	3.162	0.092	0.000	0.000	40.766
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	6.514	10.469	8.779	0.000	8.779	11.750	3.162	0.092	0.000	0.000	40.766
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	6.514	10.469	8.779	0.000	8.779	11.750	3.162	0.092	0.000	0.000	40.766

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Increment capability upgrades include systems necessary to support P-8A Poseidon at its Initial Operating Capability (IOC), continues mission sustainment upgrades to support P-3C, and ensures compliance with the Net-Ready Key Performance Parameter (NR-KPP) to the extent complementary systems have been implemented by DoD.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Increment 2.1 - 2

<b>Models of Systems Affected:</b> N/A	<b>Type Modification:</b> System Upgrades	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BLI 2246 (MPRF) Mission Support Systems - Increment 2.1												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(3)</sup>	-	-	2	2.076	3	2.575	3	2.647	-	-	3	2.647
1.1.2) MTOC - NonOrganic	-	-	3	3.461	9	7.727	6	5.094	-	-	6	5.094
<i>Subtotal Recurring</i>		0.000		5.537		10.302		7.741		0.000		7.741
<i>Total, BLI 2246 (MPRF) Mission Support Systems - Increment 2.1</i>	-	-	5	5.537	12	10.302	9	7.741	-	-	9	7.741
<i>Total, All Modifications</i>		0.000		5.537		10.302		7.741		0.000		7.741
<b>Support</b>												
2.1) Shore Pre-Installation Design	-	-	-	0.123	-	0.167	-	0.174	-	-	-	0.174
<i>Total Support Cost</i>		0.000		0.123		0.167		0.174		0.000		0.174
<i>Procurement Cost (Procurement + Support)</i>		0.000		5.660		10.469		7.915		0.000		7.915
<i>Total Installation Cost</i>		0.000		0.854		0.000		0.864		0.000		0.864
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		6.514		10.469		8.779		0.000		8.779

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
BLI 2246 (MPRF) Mission Support Systems - Increment 2.1												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(3)</sup>	3	2.651	3	2.724	-	-	-	-	-	-	14	12.673
1.1.2) MTOC - NonOrganic	10	8.488	-	-	-	-	-	-	-	-	28	24.770
<i>Subtotal Recurring</i>		11.139		2.724		0.000		0.000		0.000		37.443
<i>Total, BLI 2246 (MPRF) Mission Support Systems - Increment 2.1</i>	13	11.139	3	2.724	-	-	-	-	-	-	42	37.443
<i>Total, All Modifications</i>		11.139		2.724		0.000		0.000		0.000		37.443

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Increment 2.1 - 2

<b>Models of Systems Affected:</b> N/A	<b>Type Modification:</b> System Upgrades	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Support</b>												
2.1) Shore Pre-Installation Design	-	0.196	-	-	-	-	-	-	-	-	-	0.660
<b>Total Support Cost</b>		0.196		0.000		0.000		0.000		0.000		0.660
<b>Procurement Cost (Procurement + Support)</b>		11.335		2.724		0.000		0.000		0.000		38.103
<b>Total Installation Cost</b>		0.415		0.438		0.092		0.000		0.000		2.663
<b>Total Cost (Procurement + Support + Installation)</b>		11.750		3.162		0.092		0.000		0.000		40.766

**Remarks:**

- (3)1. Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications and Mobility/Facility component system upgrades of TacMobile systems.
2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade systems to be procured vary by site unique differences.
3. Install costs vary due to different equipment mixes, site specific requirements, and varied, world-wide locations.
4. FY12 Inc 2.1 procurement following 3Q FY12 FRP decision, critical to achieving P-8A IOC objectives. Integration, pre-installation and checkout, packaging, and shipping require a 6 month lead time prior to installation.

**Manufacturer Information: BLI 2246 (MPRF) Mission Support Systems - Increment 2.1**

Manufacturer Name: SSC LANT				Manufacturer Location: Charleston, SC			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 2			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jun 2011	Jun 2012	Feb 2013				
Delivery Dates	Aug 2011	Aug 2012	Apr 2013				

<b>Installation:</b> BLI 2246 (MPRF) Mission Support Systems - Increment 2.1	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Inc 2.1 Installations
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	5	0.854	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	12	0.864	0	0.000	12	0.864
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3		<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Increment 2.1 - 2

<b>Models of Systems Affected:</b> N/A	<b>Type Modification:</b> System Upgrades	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> BLI 2246 (MPRF) Mission Support Systems - Increment 2.1	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Inc 2.1 Installations
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	5	0.854	-	-	12	0.864	0	0.000	12	0.864

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	5	0.854
FY 2012	-	-	-	-	-	-	-	-	-	-	12	0.864
FY 2013	9	0.415	-	-	-	-	-	-	-	-	9	0.415
FY 2014	-	-	13	0.438	-	-	-	-	-	-	13	0.438
FY 2015	-	-	-	-	3	0.092	-	-	-	-	3	0.092
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	9	0.415	13	0.438	3	0.092	-	-	-	-	42	2.663

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	5	-	-	-	-	-	6	6	-	-	3	3	3	-	5	5	3	-	3	-	-	-	-	-	-	-	42
Out	-	-	-	-	5	-	-	-	-	-	6	6	-	-	3	3	3	-	5	5	3	-	3	-	-	-	-	-	-	42	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Tech Refresh - 3

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.206	0.000	0.000	4.767	0.000	4.767	0.277	6.504	7.034	7.892	0.572	31.252
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4.206	0.000	0.000	4.767	0.000	4.767	0.277	6.504	7.034	7.892	0.572	31.252
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.206</b>	<b>0.000</b>	<b>0.000</b>	<b>4.767</b>	<b>0.000</b>	<b>4.767</b>	<b>0.277</b>	<b>6.504</b>	<b>7.034</b>	<b>7.892</b>	<b>0.572</b>	<b>31.252</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides overarching technical modernization and technical refresh to fielded existing TacMobile systems that have not routinely been refreshed or upgraded and are now required to be restored to full systems capability.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Tech Refresh - 3

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
	<b>Procurement</b>											
BLI 2246 (MPRF) Mission Support Systems - Tech Refresh												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(4)</sup>	2	0.575	-	-	-	-	-	-	-	-	-	-
1.1.2) MTOC - NonOrganic	10	2.841	-	-	-	-	4	4.767	-	-	4	4.767
<i>Subtotal Recurring</i>		3.416		0.000		0.000		4.767		0.000		4.767
<i>Total, BLI 2246 (MPRF) Mission Support Systems - Tech Refresh</i>	12	3.416	-	-	-	-	4	4.767	-	-	4	4.767
<i>Total, All Modifications</i>		3.416		0.000		0.000		4.767		0.000		4.767
<i>Procurement Cost (Procurement + Support)</i>		3.416		0.000		0.000		4.767		0.000		4.767
<i>Total Installation Cost</i>		0.790		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		4.206		0.000		0.000		4.767		0.000		4.767

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
BLI 2246 (MPRF) Mission Support Systems - Tech Refresh												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(4)</sup>	-	-	4	5.954	-	-	-	-	-	-	6	6.529
1.1.2) MTOC - NonOrganic	-	-	-	-	4	7.034	4	7.331	-	-	22	21.973
<i>Subtotal Recurring</i>		0.000		5.954		7.034		7.331		0.000		28.502
<i>Total, BLI 2246 (MPRF) Mission Support Systems - Tech Refresh</i>	-	-	4	5.954	4	7.034	4	7.331	-	-	28	28.502
<i>Total, All Modifications</i>		0.000		5.954		7.034		7.331		0.000		28.502
<i>Procurement Cost (Procurement + Support)</i>		0.000		5.954		7.034		7.331		0.000		28.502
<i>Total Installation Cost</i>		0.277		0.550		0.000		0.561		0.572		2.750
<b>Total Cost (Procurement + Support + Installation)</b>		0.277		6.504		7.034		7.892		0.572		31.252

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Tech Refresh - 3

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**  
<sup>(4)</sup>1. Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications and Mobility/Facility component system upgrades of TacMobile systems.  
 2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by Increment.  
 3. Install costs vary across fiscal years due to different equipment mixes, site specific requirements, and varied, world-wide locations.  
 4. FY 13 procures overarching MTOC KILO required Tech Refresh components. FY15 procures overarching TOC 5th Fleet required Tech Refresh components. FY16 procures overarching MTOC EIGHT required Tech Refresh components. FY17 procures overarching MTOC JULIET required Tech Refresh components. Integration, pre-installation and checkout, packaging, and shipping require a 6 month lead time prior to installation.

**Manufacturer Information: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh**

Manufacturer Name: SSC LANT	Manufacturer Location: Charleston, SC
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Administrative Leadtime ( <i>in Months</i> ): 2	Production Leadtime ( <i>in Months</i> ): 7
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	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
<b>Dates</b>							
Contract Dates			Dec 2012				
Delivery Dates			Jul 2013				

<b>Installation:</b> BLI 2246 (MPRF) Mission Support Systems - Tech Refresh	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Tech Refresh Installations
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	2	0.790	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	2	0.790	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 3	<b>P-1 Line Item Nomenclature:</b> 2246 - Maritime Patrol and Reconnaissance Force	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): BLI 2246 (MPRF) Mission Support Systems - Tech Refresh - 3

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> BLI 2246 (MPRF) Mission Support Systems - Tech Refresh	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Tech Refresh Installations
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	2	0.790
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	4	0.277	-	-	-	-	-	-	-	-	4	0.277
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	4	0.550	-	-	-	-	-	-	4	0.550
FY 2016	-	-	-	-	-	-	4	0.561	-	-	4	0.561
FY 2017	-	-	-	-	-	-	-	-	4	0.572	4	0.572
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>4</b>	<b>0.277</b>	<b>4</b>	<b>0.550</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>0.561</b>	<b>4</b>	<b>0.572</b>	<b>18</b>	<b>2.750</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	2	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	4	-	-	-	-	-	4	-	-	4	18
Out	2	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	4	-	-	-	-	-	4	-	-	4	18



**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 4 : Electronic Warfare Equipment	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b> 0204228N	<b>Other Related Program Elements:</b>
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	143.671	23.131	39.902	92.270	-	92.270	200.617	277.028	352.376	357.611	5,528.743	7,015.349
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	143.671	23.131	39.902	92.270	-	92.270	200.617	277.028	352.376	357.611	5,528.743	7,015.349
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	143.671	23.131	39.902	92.270	-	92.270	200.617	277.028	352.376	357.611	5,528.743	7,015.349
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.994	1.001	0.953	-	0.953	1.917	2.426	3.378	2.623	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The AN/SLQ-32(V) provides a family of modular shipborne electronic warfare equipment which is installed on all surface combatants, aircraft carriers, amphibious ships and auxiliaries in the surface Navy. The system consists of eight configurations and provides early detection, analysis, threat warning and protection from anti-ship missiles.

**TC056: SURFACE ELECTRONIC WARFARE (EW) IMPROVEMENTS BLOCK 1**

The Surface Electronic Warfare (EW) Improvement Program (SEWIP) will develop a modern, highly capable family of EW systems by block upgrade of the current AN/SLQ-32 system that is robust in detecting and countering current and future threats and will extend the service life of AN/SLQ-32(V) systems. Funding procures upgrades to the current AN/SLQ-32 system.

Electronic Surveillance Enhancement (ESE) replaces the Digital Processing Unit and Digital Tracking Unit with a modern computer system. This enhanced functionality increases AntiShip Missile Defense (ASMD) capabilities by increasing the probability of correct identification of threats. ESE is also being adapted to the unique Aircraft Carrier variant configuration.

Block 1A: Improved Control and Display (ICAD) replaces the current Display Control Console (DCC) with a Navy standard UYQ-70 console and improved windows-based color displays. ICAD is a low-risk improvement that provides the EW Operator with the tools necessary to improve tactical performance, situational awareness and battle readiness.

Block 1B1: Small Ship Electronic Support Measures System (SSESM) provides Specific Emitter Identification (SEI) capability to various ships/ship classes in a stand-alone configuration.

Block 1B2: Federated SEI, consisting of SEI hardware plus an ICAD modification kit, fully integrates SEI functionality with the ICAD/Q-70 console. For those ships which already have the Blk 1B1 SEI capability as a stand-alone configuration, procurement is for the ICAD modification kit only.

Block 1B3: High Gain High Sensitivity (HGHS) Adjunct Sensor is a critical improvement for threat correlation, situational awareness, and extending the battle space. Development Status/Major Development Milestones are: Milestone C/Low-Rate Initial Production (LRIP) 2Q FY12, Full Rate Production (FRP) 3Q FY14.

**TC059: SURFACE ELECTRONIC WARFARE (EW) IMPROVEMENTS BLOCK 2**

Block 2 will provide AN/SLQ-32(V) an upgraded antenna, receiver, and combat systems interface. The upgrades will pace the threat, improve detection and accuracy and mitigate Electromagnetic Interference (EMI). Development Status/Major Development Milestones are: Milestone C Low-Rate Initial Production (LRIP) 4Q FY12, Full Rate Production (FRP) 3Q FY14.

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 4 : Electronic Warfare Equipment

**P-1 Line Item Nomenclature:**  
 2312 - AN/SLQ-32

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** 0204228N **Other Related Program Elements:**

TC5IN: FMP INSTALLATIONS  
 Shipboard installation of AN/SLQ-32(V) ECP/Field Changes and the Surface EW Improvements Blocks 1 and 2.

TC6IN: NON-FMP INSTALLATIONS  
 Installation of AN/SLQ-32(V) ECP/Field Changes and the Surface EW Improvements Blocks 1 and 2 at Shore Site Facilities.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AN/SLQ-32 (See enclosed P-40A)	P40A				24.380			6.117			4.495			13.798			0.000			13.798
TC056 - BLOCK 1A-ICAD/Q70 - 1	P3A		-	-	38.543	-	-	0.622	-	-	0.331	-	-	0.000	-	-	0.000	-	-	0.000
TC056 - BLOCK 1B1 SSESM - 2	P3A		-	-	21.304	-	-	4.489	-	-	4.161	-	-	2.869	-	-	0.000	-	-	2.869
TC056 - BLOCK 1B2 FEDERATED SEI - 3	P3A		-	-	30.380	-	-	10.462	-	-	4.288	-	-	1.486	-	-	0.000	-	-	1.486
TC056 - Block 1B2 ICAD Mod Kit Only - 4	P3A		-	-	1.927	-	-	0.576	-	-	0.196	-	-	0.000	-	-	0.000	-	-	0.000
TC056 - BLOCK 1B3 HGHS - 5	P3A		-	-	0.000	-	-	0.117	-	-	6.858	-	-	7.684	-	-	0.000	-	-	7.684
TC056 - BLOCK 1 ESE - 6	P3A		-	-	27.137	-	-	0.748	-	-	2.740	-	-	1.170	-	-	0.000	-	-	1.170
TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM - 7	P3A		-	-	0.000	-	-	0.000	-	-	16.833	-	-	65.263	-	-	0.000	-	-	65.263
TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM - 8	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					<b>143.671</b>			<b>23.131</b>			<b>39.902</b>			<b>92.270</b>			<b>-</b>			<b>92.270</b>
		FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
AN/SLQ-32 (See enclosed P-40A)	P40A				0.000			0.000			0.000			0.000			0.000			0.000
TC056 - BLOCK 1A-ICAD/Q70 - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	39.496
TC056 - BLOCK 1B1 SSESM - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.019	-	-	0.526	-	-	0.390	-	-	33.758

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 4 : Electronic Warfare Equipment **P-1 Line Item Nomenclature:**  
 2312 - AN/SLQ-32

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** 0204228N **Other Related Program Elements:**

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TC056 - BLOCK 1B2 FEDERATED SEI - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1.636	-	-	48.252
TC056 - Block 1B2 ICAD Mod Kit Only - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	2.699
TC056 - BLOCK 1B3 HGHS - 5	P3A		-	-	27.516	-	-	22.567	-	-	20.925	-	-	10.766	-	-	52.978	-	-	149.411
TC056 - BLOCK 1 ESE - 6	P3A		-	-	2.491	-	-	0.589	-	-	0.000	-	-	0.000	-	-	0.000	-	-	34.875
TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM - 7	P3A		-	-	156.182	-	-	237.374	-	-	176.819	-	-	124.267	-	-	1,457.855	-	-	2,234.593
TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM - 8	P3A		-	-	0.000	-	-	0.000	-	-	134.333	-	-	201.846	-	-	3,833.225	-	-	4,169.404
<b>Total Gross/Weapon System Cost</b>					<b>200.617</b>			<b>277.028</b>			<b>352.376</b>			<b>357.611</b>			<b>5,528.743</b>			<b>7,015.349</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 4					P-1 Line Item Nomenclature: 2312 - AN/SLQ-32					Aggregated Item Name: AN/SLQ-32									
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) TC056 SURFACE EW IMPROVEMENTS BLOCK 1</b>																			
1.1) TECH REFRESH	A	-	-	-	-	-	3.115	-	-	-	-	-	3.559	-	-	-	-	-	3.559
1.2) PRODUCTION SUPPORT	A	-	-	24.268	-	-	3.002	-	-	1.985	-	-	2.662	-	-	-	-	-	2.662
<i>Subtotal 1) TC056 SURFACE EW IMPROVEMENTS BLOCK 1</i>				24.268			6.117			1.985			6.221			0.000			6.221
<b>2) TC059 SURFACE EW IMPROVEMENTS BLOCK 2</b>																			
2.1) PRODUCTION SUPPORT	A	-	-	-	-	-	-	-	-	2.510	-	-	7.577	-	-	-	-	-	7.577
<i>Subtotal 2) TC059 SURFACE EW IMPROVEMENTS BLOCK 2</i>				0.000			0.000			2.510			7.577			0.000			7.577
<b>3) TC060 SURFACE EW IMPROVEMENTS BLOCK 3</b>																			
3.1) PRODUCTION SUPPORT	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) TC060 SURFACE EW IMPROVEMENTS BLOCK 3</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) WAXXX ACQUISITION WORKFORCE FUNDS-2009</b>																			
4.1) ACQUISITION WORKFORCE FUNDS-2009	A	-	-	0.112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) WAXXX ACQUISITION WORKFORCE FUNDS-2009</i>				0.112			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>24.380</b>			<b>6.117</b>			<b>4.495</b>			<b>13.798</b>			<b>0.000</b>			<b>13.798</b>

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 4						P-1 Line Item Nomenclature: 2312 - AN/SLQ-32						Aggregated Item Name: AN/SLQ-32							
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) TC056 SURFACE EW IMPROVEMENTS BLOCK 1</b>																			
1.1) TECH REFRESH	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) PRODUCTION SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) TC056 SURFACE EW IMPROVEMENTS BLOCK 1				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) TC059 SURFACE EW IMPROVEMENTS BLOCK 2</b>																			
2.1) PRODUCTION SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) TC059 SURFACE EW IMPROVEMENTS BLOCK 2				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) TC060 SURFACE EW IMPROVEMENTS BLOCK 3</b>																			
3.1) PRODUCTION SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) TC060 SURFACE EW IMPROVEMENTS BLOCK 3				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) WAXXX ACQUISITION WORKFORCE FUNDS-2009</b>																			
4.1) ACQUISITION WORKFORCE FUNDS-2009	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) WAXXX ACQUISITION WORKFORCE FUNDS-2009				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>Remarks:</b>																			

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> TC056 - BLOCK 1A-ICAD/Q70 - 1

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK A-ICAD/Q70		<b>Type Modification:</b> SHIPALT/AIT		<b>Related RDT&amp;E PEs:</b>	
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	38.543	0.622	0.331	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	39.496
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	38.543	0.622	0.331	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	39.496
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>38.543</b>	<b>0.622</b>	<b>0.331</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>39.496</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

REPLACEMENT OF THE AN/SLQ-32 DISPLAY CONTROL CONSOLE (DCC) WITH NAVY STANDARD UYQ-70 CONSOLE.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1A-ICAD/Q70 - 1

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK A-ICAD/Q70	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC056 - BLOCK 1A-ICAD/Q70												
A Kits												
Recurring												
1.1.1) FMP Ship Units - NonOrganic	62	12.869	-	-	-	-	-	-	-	-	-	-
1.1.2) NON-FMP Shore Site Units - NonOrganic	25	5.189	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		18.058		0.000		0.000		0.000		0.000		0.000
<i>Total, TC056 - BLOCK 1A-ICAD/Q70</i>	87	18.058	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		18.058		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		18.058		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		20.485		0.622		0.331		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>38.543</b>		<b>0.622</b>		<b>0.331</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC056 - BLOCK 1A-ICAD/Q70												
A Kits												
Recurring												
1.1.1) FMP Ship Units - NonOrganic	-	-	-	-	-	-	-	-	-	-	62	12.869
1.1.2) NON-FMP Shore Site Units - NonOrganic	-	-	-	-	-	-	-	-	-	-	25	5.189
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		18.058
<i>Total, TC056 - BLOCK 1A-ICAD/Q70</i>	-	-	-	-	-	-	-	-	-	-	87	18.058
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		18.058
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		18.058
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		21.438
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>39.496</b>

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1A-ICAD/Q70 - 1

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK A-ICAD/Q70	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**

**Manufacturer Information:** TC056 - BLOCK 1A-ICAD/Q70

Manufacturer Name: New MFG - Name	Manufacturer Location: New MFG - Loc
Administrative Leadtime ( <i>in Months</i> ): 1	Production Leadtime ( <i>in Months</i> ): 6

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

**Installation:** TC056 - BLOCK 1A-ICAD/Q70      **Method of Implementation:** SHIPALT/AIT      **Installation Name:** FMP Ship Units

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	59	18.535	2	0.622	1	0.331	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	59	18.535	2	0.622	1	0.331	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	62	19.488
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK A-ICAD/Q70		<b>Type Modification:</b> SHIPALT/AIT
<b>Related RDT&amp;E PEs:</b>		
<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC056 - BLOCK 1A-ICAD/Q70 - 1		

<b>Installation:</b> TC056 - BLOCK 1A-ICAD/Q70	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP Ship Units
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	62	19.488

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	59	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
Out	59	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	

<b>Installation:</b> TC056 - BLOCK 1A-ICAD/Q70	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP Shore Site Units
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	25	1.950	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	25	1.950	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK A-ICAD/Q70		<b>Type Modification:</b> SHIPALT/AIT
<b>Related RDT&amp;E PEs:</b>		

<b>Installation:</b> TC056 - BLOCK 1A-ICAD/Q70	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP Shore Site Units
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	25	1.950
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	25	1.950

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
Out	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4				<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B1 SSESMS - 2				
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B1 - SSESMS				<b>Type Modification:</b> SHIPALT/AIT				<b>Related RDT&amp;E PEs:</b>				

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	21.304	4.489	4.161	2.869	0.000	2.869	0.000	0.000	0.019	0.526	0.390	33.758
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	21.304	4.489	4.161	2.869	0.000	2.869	0.000	0.000	0.019	0.526	0.390	33.758
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	21.304	4.489	4.161	2.869	0.000	2.869	0.000	0.000	0.019	0.526	0.390	33.758

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

STAND-ALONE SYSTEM THAT PROVIDES SPECIFIC EMITTER IDENTIFICATION (SEI) CAPABILITY

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B1 SSES M - 2

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B1 - SSES M	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC056 - BLOCK 1B1 SSES M												
A Kits												
Recurring												
1.1.1) CNSG EQUIPMENT - NonOrganic <sup>(1)</sup>	15	0.000	-	-	-	-	-	-	-	-	-	-
1.1.2) FMP SHIP UNITS - NonOrganic <sup>(2)</sup>	40	14.068	9	2.890	3	1.153	3	1.172	-	-	3	1.172
<i>Subtotal Recurring</i>		14.068		2.890		1.153		1.172		0.000		1.172
<i>Total, TC056 - BLOCK 1B1 SSES M</i>	55	14.068	9	2.890	3	1.153	3	1.172	-	-	3	1.172
<i>Total, All Modifications</i>		14.068		2.890		1.153		1.172		0.000		1.172
<i>Procurement Cost (Procurement + Support)</i>		14.068		2.890		1.153		1.172		0.000		1.172
<i>Total Installation Cost</i>		7.236		1.599		3.008		1.697		0.000		1.697
<b>Total Cost (Procurement + Support + Installation)</b>		<b>21.304</b>		<b>4.489</b>		<b>4.161</b>		<b>2.869</b>		<b>0.000</b>		<b>2.869</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC056 - BLOCK 1B1 SSES M												
A Kits												
Recurring												
1.1.1) CNSG EQUIPMENT - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	15	0.000
1.1.2) FMP SHIP UNITS - NonOrganic <sup>(2)</sup>	-	-	-	-	-	-	1	0.454	-	-	56	19.737
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.454		0.000		19.737
<i>Total, TC056 - BLOCK 1B1 SSES M</i>	-	-	-	-	-	-	1	0.454	-	-	71	19.737
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.454		0.000		19.737
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.454		0.000		19.737
<i>Total Installation Cost</i>		0.000		0.000		0.019		0.072		0.390		14.021

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B1 SSES M - 2

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B1 - SSES M	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.019		0.526		0.390		33.758

**Remarks:**  
 (1) FIFTEEN (15) UNITS PROCURED BY CHIEF NAVAL SECURITY GROUP (CNSG)  
 (2) PRODUCTION LEAD TIME IS A RANGE OF 5-8 MONTHS.

<b>Manufacturer Information: TC056 - BLOCK 1B1 SSES M</b>							
Manufacturer Name: General Dynamics AIS		Manufacturer Location: Fair Lakes VA					
Administrative Leadtime (in Months): 1		Production Leadtime (in Months): 8					
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Mar 2011	Feb 2012	Nov 2012				
Delivery Dates	Oct 2011	Oct 2012	Jul 2013				

<b>Installation:</b> TC056 - BLOCK 1B1 SSES M			<b>Method of Implementation:</b> SHIPALT/AIT				<b>Installation Name:</b> CNSG EQUIPMENT					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	15	2.206	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	15	2.206	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B1 - SSES		<b>Modification Nomenclature (Modification Title, Modification Number):</b> TC056 - BLOCK 1B1 SSES - 2
<b>Type Modification:</b> SHIPALT/AIT		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> TC056 - BLOCK 1B1 SSES	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> CNSG EQUIPMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	15	2.206
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	15	2.206

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15

<b>Installation:</b> TC056 - BLOCK 1B1 SSES	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP SHIP UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	34	5.030	6	1.599	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	9	3.008	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	3	0.848	0	0.000	3	0.848
FY 2013	-	-	-	-	-	-	3	0.849	0	0.000	3	0.849
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B1 - SSES		<b>Modification Nomenclature (Modification Title, Modification Number):</b> TC056 - BLOCK 1B1 SSES - 2
<b>Type Modification:</b> SHIPALT/AIT		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> TC056 - BLOCK 1B1 SSES	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP SHIP UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	34	5.030	6	1.599	9	3.008	6	1.697	0	0.000	6	1.697

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	40	6.629
FY 2011	-	-	-	-	-	-	-	-	-	-	9	3.008
FY 2012	-	-	-	-	-	-	-	-	-	-	3	0.848
FY 2013	-	-	-	-	-	-	-	-	-	-	3	0.849
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	0	0.019	0	0.072	1	0.390	1	0.481
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	0	0.019	0	0.072	1	0.390	56	11.815

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	34	3	3	-	-	-	3	3	3	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	56
Out	34	3	3	-	-	-	3	3	3	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	56

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B2 FEDERATED SEI - 3

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B2 - FEDERATED SEI	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	30.380	10.462	4.288	1.486	0.000	1.486	0.000	0.000	0.000	0.000	1.636	48.252
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	30.380	10.462	4.288	1.486	0.000	1.486	0.000	0.000	0.000	0.000	1.636	48.252
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>30.380</b>	<b>10.462</b>	<b>4.288</b>	<b>1.486</b>	<b>0.000</b>	<b>1.486</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.636</b>	<b>48.252</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

THIS IMPROVEMENT INTEGRATES THE SPECIFIC EMITTER IDENTIFICATION (SEI) FUNCTIONALITY ON THE NAVY STANDARD UYQ-70 CONSOLE (BLOCK 1A).



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC056 - BLOCK 1B2 FEDERATED SEI - 3

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B2 - FEDERATED SEI	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC056 - BLOCK 1B2 FEDERATED SEI												
A Kits												
Recurring												
1.1.1) FMP SHIP UNITS - NonOrganic <sup>(3)</sup>	45	21.299	12	4.826	3	1.433	-	-	-	-	-	-
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic	2	0.682	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		21.981		4.826		1.433		0.000		0.000		0.000
<i>Total, TC056 - BLOCK 1B2 FEDERATED SEI</i>	47	21.981	12	4.826	3	1.433	-	-	-	-	-	-
<i>Total, All Modifications</i>		21.981		4.826		1.433		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		21.981		4.826		1.433		0.000		0.000		0.000
<i>Total Installation Cost</i>		8.399		5.636		2.855		1.486		0.000		1.486
<b>Total Cost (Procurement + Support + Installation)</b>		30.380		10.462		4.288		1.486		0.000		1.486

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC056 - BLOCK 1B2 FEDERATED SEI												
A Kits												
Recurring												
1.1.1) FMP SHIP UNITS - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	-	-	2	0.896	62	28.454
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic	-	-	-	-	-	-	-	-	-	-	2	0.682
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.896		29.136
<i>Total, TC056 - BLOCK 1B2 FEDERATED SEI</i>	-	-	-	-	-	-	-	-	2	0.896	64	29.136
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.896		29.136
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.896		29.136

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B2 FEDERATED SEI - 3

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B2 - FEDERATED SEI	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total Installation Cost		0.000		0.000		0.000		0.000		0.740		19.116
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>1.636</b>		<b>48.252</b>

**Remarks:**  
<sup>(3)</sup>"BLOCK 1B2 - ICAD MOD KIT ONLY" PROCURED IN FY11 AND PRIOR YEARS WAS PREVIOUSLY REPORTED IN THIS P-3A EXHIBIT IN PB12. IT IS NOW A SEPARATE P3A.  
 PRODUCTION LEAD TIME IS A RANGE OF 5-8 MONTHS.

<b>Manufacturer Information: TC056 - BLOCK 1B2 FEDERATED SEI</b>							
Manufacturer Name: General Dynamics AIS				Manufacturer Location: Fair Lakes, VA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 8			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Mar 2011	Feb 2012					
Delivery Dates	Oct 2011	Oct 2012					

<b>Installation:</b> TC056 - BLOCK 1B2 FEDERATED SEI			<b>Method of Implementation:</b> SHIPALT/AIT				<b>Installation Name:</b> FMP SHIP UNITS					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	23	7.963	22	5.636	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	10	2.855	2	0.594	0	0.000	2	0.594
FY 2012	-	-	-	-	-	-	3	0.892	0	0.000	3	0.892
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC056 - BLOCK 1B2 FEDERATED SEI - 3		

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B2 - FEDERATED SEI	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> TC056 - BLOCK 1B2 FEDERATED SEI	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP SHIP UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total	23	7.963	22	5.636	10	2.855	5	1.486	0	0.000	5	1.486

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	45	13.599
FY 2011	-	-	-	-	-	-	-	-	-	-	12	3.449
FY 2012	-	-	-	-	-	-	-	-	-	-	3	0.892
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	2	0.740	2	0.740
Total	-	-	-	-	-	-	-	-	2	0.740	62	18.680

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	23	7	7	8	-	-	2	4	4	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	62
Out	23	7	7	8	-	-	2	4	4	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	62

<b>Installation:</b> TC056 - BLOCK 1B2 FEDERATED SEI	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	2	0.436	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B2 FEDERATED SEI - 3
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B2 - FEDERATED SEI	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> TC056 - BLOCK 1B2 FEDERATED SEI	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS										
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	2	0.436	-	-	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	2	0.436
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	2	0.436

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B2 FEDERATED SEI - 3
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B2 - FEDERATED SEI	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> TC056 - BLOCK 1B2 FEDERATED SEI	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - Block 1B2 ICAD Mod Kit Only - 4

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B2-ICAD MOD KIT ONLY	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.927	0.576	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.699
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.927	0.576	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.699
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.927</b>	<b>0.576</b>	<b>0.196</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2.699</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

THIS IMPROVEMENT ADDS A KIT WITHIN THE NAVY STANDARD AN/UHQ-70 CONSOLE (BLK 1A) TO CHANGE THE STAND ALONE SPECIFIC EMITTER IDENTIFICATION (SEI) SYSTEM TO AN INTEGRATED ONE.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - Block 1B2 ICAD Mod Kit Only - 4

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B2-ICAD MOD KIT ONLY	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC056 - Block 1B2 ICAD Mod Kit Only												
A Kits												
Recurring												
1.1.1) FMP BLOCK 2 ICAD MOD KIT ONLY - NonOrganic <sup>(4)</sup>	4	0.300	2	0.125	-	-	-	-	-	-	-	-
1.1.2) NON-FMP SHORE SITE INSTALLS - NonOrganic	9	0.675	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.975		0.125		0.000		0.000		0.000		0.000
<i>Total, TC056 - Block 1B2 ICAD Mod Kit Only</i>	13	0.975	2	0.125	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.975		0.125		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.975		0.125		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.952		0.451		0.196		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		1.927		0.576		0.196		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC056 - Block 1B2 ICAD Mod Kit Only												
A Kits												
Recurring												
1.1.1) FMP BLOCK 2 ICAD MOD KIT ONLY - NonOrganic <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	6	0.425
1.1.2) NON-FMP SHORE SITE INSTALLS - NonOrganic	-	-	-	-	-	-	-	-	-	-	9	0.675
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		1.100
<i>Total, TC056 - Block 1B2 ICAD Mod Kit Only</i>	-	-	-	-	-	-	-	-	-	-	15	1.100
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		1.100
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		1.100

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - Block 1B2 ICAD Mod Kit Only - 4

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B2-ICAD MOD KIT ONLY	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total Installation Cost		0.000		0.000		0.000		0.000		0.000		1.599
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>2.699</b>

**Remarks:**  
(4) THIS P-3A WAS PART OF THE BLOCK 1B2-FEDERATED SEI IN PB12.

<b>Manufacturer Information: TC056 - Block 1B2 ICAD Mod Kit Only</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Eagan, MN			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 5			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011						
Delivery Dates	Jun 2011						

<b>Installation:</b> TC056 - Block 1B2 ICAD Mod Kit Only			<b>Method of Implementation:</b> SHIPALT/AIT				<b>Installation Name:</b> FMP BLOCK 2 ICAD MOD KIT ONLY					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	2	0.222	2	0.301	-	-	-	-	-	-	-	-
FY 2011	-	-	1	0.150	1	0.196	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2</b>	<b>0.222</b>	<b>3</b>	<b>0.451</b>	<b>1</b>	<b>0.196</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC056 - Block 1B2 ICAD Mod Kit Only - 4
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B2-ICAD MOD KIT ONLY	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> TC056 - Block 1B2 ICAD Mod Kit Only	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP BLOCK 2 ICAD MOD KIT ONLY
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	4	0.523
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.346
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	6	0.869

Installation Schedule																															
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	2	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	2	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

<b>Installation:</b> TC056 - Block 1B2 ICAD Mod Kit Only	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE INSTALLS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	9	0.730	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B2-ICAD MOD KIT ONLY		<b>Modification Nomenclature (Modification Title, Modification Number):</b> TC056 - Block 1B2 ICAD Mod Kit Only - 4
<b>Type Modification:</b> SHIPALT/AIT		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> TC056 - Block 1B2 ICAD Mod Kit Only			<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> NON-FMP SHORE SITE INSTALLS					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	9	0.730	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	9	0.730
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	9	0.730

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Out	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4				<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> TC056 - BLOCK 1B3 HGHS - 5				
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B3 HGHS				<b>Type Modification:</b> SHIPALT/AIT				<b>Related RDT&amp;E PEs:</b> 0604757N				

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.117	6.858	7.684	0.000	7.684	27.516	22.567	20.925	10.766	52.978	149.411
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.117	6.858	7.684	0.000	7.684	27.516	22.567	20.925	10.766	52.978	149.411
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.117</b>	<b>6.858</b>	<b>7.684</b>	<b>0.000</b>	<b>7.684</b>	<b>27.516</b>	<b>22.567</b>	<b>20.925</b>	<b>10.766</b>	<b>52.978</b>	<b>149.411</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

NEW CAPABILITY TO IMPROVE THE SITUATIONAL AWARENESS AND THREAT WARNING OF THE AN/SLQ-32

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS C/LRIP 2Q FY12, FRP 3Q FY14

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B3 HGHS - 5

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B3 HGHS	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
TC056 - BLOCK 1B3 HGHS												
A Kits												
Recurring												
1.1.1) FMP BLOCK 1B3 - NonOrganic <sup>(5)</sup>	-	-	-	-	2	3.371	5	7.684	-	-	5	7.684
1.1.2) NON-FMP SHORE SITE INSTALL - NonOrganic	-	-	-	-	2	3.371	-	-	-	-	-	-
1.1.3) BLK 1B3 GFE UNIT FOR BLK 3 OEM - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		6.742		7.684		0.000		7.684
<i>Total, TC056 - BLOCK 1B3 HGHS</i>	-	-	-	-	4	6.742	5	7.684	-	-	5	7.684
<i>Total, All Modifications</i>		0.000		0.000		6.742		7.684		0.000		7.684
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		6.742		7.684		0.000		7.684
<i>Total Installation Cost</i>		0.000		0.117		0.116		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.117</b>		<b>6.858</b>		<b>7.684</b>		<b>0.000</b>		<b>7.684</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
TC056 - BLOCK 1B3 HGHS												
A Kits												
Recurring												
1.1.1) FMP BLOCK 1B3 - NonOrganic <sup>(5)</sup>	11	15.904	13	18.047	11	14.889	5	6.733	27	40.147	74	106.775
1.1.2) NON-FMP SHORE SITE INSTALL - NonOrganic	5	7.229	-	-	-	-	-	-	-	-	7	10.600
1.1.3) BLK 1B3 GFE UNIT FOR BLK 3 OEM - NonOrganic	1	1.446	-	-	-	-	-	-	-	-	1	1.446
<i>Subtotal Recurring</i>		24.579		18.047		14.889		6.733		40.147		118.821
<i>Total, TC056 - BLOCK 1B3 HGHS</i>	17	24.579	13	18.047	11	14.889	5	6.733	27	40.147	82	118.821
<i>Total, All Modifications</i>		24.579		18.047		14.889		6.733		40.147		118.821
<i>Procurement Cost (Procurement + Support)</i>		24.579		18.047		14.889		6.733		40.147		118.821

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B3 HGHS - 5

<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B3 HGHS	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total Installation Cost		2.937		4.520		6.036		4.033		12.831		30.590
<b>Total Cost (Procurement + Support + Installation)</b>		<b>27.516</b>		<b>22.567</b>		<b>20.925</b>		<b>10.766</b>		<b>52.978</b>		<b>149.411</b>

**Remarks:**  
(5) PRODUCTION LEAD TIME IS A RANGE OF 14-17 MONTHS

<b>Manufacturer Information: TC056 - BLOCK 1B3 HGHS</b>							
Manufacturer Name: General Dynamics AIS				Manufacturer Location: Fair Lakes, VA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 17			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Jul 2012	Nov 2012				
Delivery Dates		Dec 2013	Feb 2014				

<b>Installation:</b> TC056 - BLOCK 1B3 HGHS			<b>Method of Implementation:</b> SHIPALT/AIT				<b>Installation Name:</b> FMP BLOCK 1B3					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	0	0.117	0	0.116	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	0	0.117	0	0.116	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B3 HGHS		<b>Type Modification:</b> SHIPALT/AIT
<b>Related RDT&amp;E PEs:</b> 0604757N		
<b>Modification Nomenclature (Modification Title, Modification Number):</b> TC056 - BLOCK 1B3 HGHS - 5		

<b>Installation:</b> TC056 - BLOCK 1B3 HGHS	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP BLOCK 1B3
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	2	0.875	-	-	-	-	-	-	-	-	2	1.108
FY 2013	4	1.749	1	0.507	-	-	-	-	-	-	5	2.256
FY 2014	-	-	6	3.045	5	1.775	-	-	-	-	11	4.820
FY 2015	-	-	-	-	12	4.261	1	0.504	-	-	13	4.765
FY 2016	-	-	-	-	-	-	7	3.529	4	1.426	11	4.955
FY 2017	-	-	-	-	-	-	-	-	5	1.782	5	1.782
To Complete	-	-	-	-	-	-	-	-	27	9.623	27	9.623
<b>Total</b>	<b>6</b>	<b>2.624</b>	<b>7</b>	<b>3.552</b>	<b>17</b>	<b>6.036</b>	<b>8</b>	<b>4.033</b>	<b>36</b>	<b>12.831</b>	<b>74</b>	<b>29.309</b>

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	1	-	-	6	3	2	6	6	1	-	3	4	36	74
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	1	-	-	6	3	2	6	6	1	-	3	40	74

<b>Installation:</b> TC056 - BLOCK 1B3 HGHS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE INSTALL
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B3 HGHS		<b>Type Modification:</b> SHIPALT/AIT
<b>Related RDT&amp;E PEs:</b> 0604757N		
<b>Modification Nomenclature (Modification Title, Modification Number):</b> TC056 - BLOCK 1B3 HGHS - 5		

<b>Installation:</b> TC056 - BLOCK 1B3 HGHS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE INSTALL
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	2	0.313	-	-	-	-	-	-	-	-	2	0.313
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	5	0.807	-	-	-	-	-	-	5	0.807
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	2	0.313	5	0.807	-	-	-	-	-	-	7	1.120

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	3	2	-	-	-	-	-	-	-	-	-	-	7
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	3	2	-	-	-	-	-	-	-	-	-	7	

<b>Installation:</b> TC056 - BLOCK 1B3 HGHS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> BLK 1B3 GFE UNIT FOR BLK 3 OEM
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1B3 HGHS - 5
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B3 HGHS	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N

<b>Installation:</b> TC056 - BLOCK 1B3 HGHS		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> BLK 1B3 GFE UNIT FOR BLK 3 OEM						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	1	0.161	-	-	-	-	-	-	1	0.161
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	1	0.161	-	-	-	-	-	-	1	0.161



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> TC056 - BLOCK 1B3 HGHS - 5
<b>Models of Systems Affected:</b> TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B3 HGHS	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N

<b>Installation:</b> TC056 - BLOCK 1B3 HGHS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> BLK 1B3 GFE UNIT FOR BLK 3 OEM
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**Installation Schedule**

	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4				<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32				<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC056 - BLOCK 1 ESE - 6				
<b>Models of Systems Affected:</b> SURFACE EW IMPROVEMENTS BLOCK 1 ESE			<b>Type Modification:</b> SHIPALT/AIT				<b>Related RDT&amp;E PEs:</b>					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	27.137	0.748	2.740	1.170	0.000	1.170	2.491	0.589	0.000	0.000	0.000	34.875
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	27.137	0.748	2.740	1.170	0.000	1.170	2.491	0.589	0.000	0.000	0.000	34.875
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>27.137</b>	<b>0.748</b>	<b>2.740</b>	<b>1.170</b>	<b>0.000</b>	<b>1.170</b>	<b>2.491</b>	<b>0.589</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>34.875</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

ECP/FIELD CHANGE THAT REPLACES THE DIGITAL PROCESSING UNIT (DPU) & DIGITAL TRACKING UNIT (DTU) OF THE AN/SLQ-32(V).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: ESE V4 TECHEVAL 4QFY11, MS C/FRP 3Q FY12.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1 ESE - 6

<b>Models of Systems Affected:</b> SURFACE EW IMPROVEMENTS BLOCK 1 ESE	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
TC056 - BLOCK 1 ESE												
A Kits												
Recurring												
1.1.1) FMP SHIP UNITS W/BLK 1A ICAD-Q70 - NonOrganic	26	2.668	-	-	-	-	-	-	-	-	-	-
1.1.2) FMP SHIP UNITS - NonOrganic <sup>(6)</sup>	96	17.218	1	0.384	2	0.962	2	0.977	-	-	2	0.977
1.1.3) NON-FMP SHORE SITE UNITS - NonOrganic	31	4.828	-	-	3	1.440	-	-	-	-	-	-
<i>Subtotal Recurring</i>		24.714		0.384		2.402		0.977		0.000		0.977
<i>Total, TC056 - BLOCK 1 ESE</i>	153	24.714	1	0.384	5	2.402	2	0.977	-	-	2	0.977
<i>Total, All Modifications</i>		24.714		0.384		2.402		0.977		0.000		0.977
<i>Procurement Cost (Procurement + Support)</i>		24.714		0.384		2.402		0.977		0.000		0.977
<i>Total Installation Cost</i>		2.423		0.364		0.338		0.193		0.000		0.193
<b>Total Cost (Procurement + Support + Installation)</b>		27.137		0.748		2.740		1.170		0.000		1.170

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
TC056 - BLOCK 1 ESE												
A Kits												
Recurring												
1.1.1) FMP SHIP UNITS W/BLK 1A ICAD-Q70 - NonOrganic	-	-	-	-	-	-	-	-	-	-	26	2.668
1.1.2) FMP SHIP UNITS - NonOrganic <sup>(6)</sup>	3	1.490	1	0.505	-	-	-	-	-	-	105	21.536
1.1.3) NON-FMP SHORE SITE UNITS - NonOrganic	1	0.497	-	-	-	-	-	-	-	-	35	6.765
<i>Subtotal Recurring</i>		1.987		0.505		0.000		0.000		0.000		30.969
<i>Total, TC056 - BLOCK 1 ESE</i>	4	1.987	1	0.505	-	-	-	-	-	-	166	30.969
<i>Total, All Modifications</i>		1.987		0.505		0.000		0.000		0.000		30.969
<i>Procurement Cost (Procurement + Support)</i>		1.987		0.505		0.000		0.000		0.000		30.969

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC056 - BLOCK 1 ESE - 6

<b>Models of Systems Affected:</b> SURFACE EW IMPROVEMENTS BLOCK 1 ESE	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total Installation Cost		0.504		0.084		0.000		0.000		0.000		3.906
<b>Total Cost (Procurement + Support + Installation)</b>		<b>2.491</b>		<b>0.589</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>34.875</b>

**Remarks:**  
(6) PRODUCTION LEAD TIME IS A RANGE OF 4-6 MONTHS.

<b>Manufacturer Information: TC056 - BLOCK 1 ESE</b>							
Manufacturer Name: Northrop Grumman				Manufacturer Location: Goleta, CA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 6			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Dec 2010	Jun 2012	Nov 2012				
Delivery Dates	Jun 2011	Oct 2012	Mar 2013				

<b>Installation:</b> TC056 - BLOCK 1 ESE			<b>Method of Implementation:</b> SHIPALTS/AIT				<b>Installation Name:</b> FMP SHIP UNITS W/BLK 1A ICAD-Q70					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	26	0.000	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>26</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> SURFACE EW IMPROVEMENTS BLOCK 1 ESE		<b>Type Modification:</b> SHIPALT/AIT
<b>Related RDT&amp;E PEs:</b>		

<b>Installation:</b> TC056 - BLOCK 1 ESE	<b>Method of Implementation:</b> SHIPALTS/AIT	<b>Installation Name:</b> FMP SHIP UNITS W/BLK 1A ICAD-Q70
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	26	0.000
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	26	0.000

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26		
Out	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26		

<b>Installation:</b> TC056 - BLOCK 1 ESE	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP SHIP UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	96	2.198	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	1	0.140	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	0	0.018	2	0.193	0	0.000	2	0.193
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> SURFACE EW IMPROVEMENTS BLOCK 1 ESE		<b>Type Modification:</b> SHIPALT/AIT
		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> TC056 - BLOCK 1 ESE		<b>Method of Implementation:</b> SHIPALT/AIT				<b>Installation Name:</b> FMP SHIP UNITS						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	96	2.198	1	0.140	0	0.018	2	0.193	0	0.000	2	0.193

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	96	2.198
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.140
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.211
FY 2013	2	0.183	-	-	-	-	-	-	-	-	2	0.183
FY 2014	3	0.274	-	-	-	-	-	-	-	-	3	0.274
FY 2015	-	-	1	0.084	-	-	-	-	-	-	1	0.084
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	5	0.457	1	0.084	-	-	-	-	-	-	105	3.090

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	96	-	-	-	1	-	-	-	-	-	-	2	-	-	2	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	105
Out	96	-	-	-	1	-	-	-	-	-	-	2	-	-	2	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	105

<b>Installation:</b> TC056 - BLOCK 1 ESE		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> NON-FMP SHORE SITE UNITS						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	31	0.225	0	0.224	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4		<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32
<b>Models of Systems Affected:</b> SURFACE EW IMPROVEMENTS BLOCK 1 ESE		<b>Type Modification:</b> SHIPALT/AIT
		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> TC056 - BLOCK 1 ESE	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	3	0.320	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>31</b>	<b>0.225</b>	<b>0</b>	<b>0.224</b>	<b>3</b>	<b>0.320</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	31	0.449
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	3	0.320
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	1	0.047	-	-	-	-	-	-	-	-	1	0.047
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>0.047</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>35</b>	<b>0.816</b>





**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM - 7

<b>Models of Systems Affected:</b> TC059 SURFACE EW IMPROVEMENTS BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	16.833	65.263	0.000	65.263	156.182	237.374	176.819	124.267	1,457.855	2,234.593
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	16.833	65.263	0.000	65.263	156.182	237.374	176.819	124.267	1,457.855	2,234.593
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.000	16.833	65.263	0.000	65.263	156.182	237.374	176.819	124.267	1,457.855	2,234.593
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

NEW CAPABILITY FOR THE AN/SLQ-32(V) THAT WILL IMPROVE DETECTION AND ACCURACY AND MITIGATE ELECTROMAGNETIC INTERFERENCE (EMI).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS C/LRIP 4Q FY12, FRP 3Q FY14

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM - 7

<b>Models of Systems Affected:</b> TC059 SURFACE EW IMPROVEMENTS BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM												
A Kits												
Recurring												
1.1.1) FMP SHIP UNITS - NonOrganic	-	-	-	-	1	9.375	6	51.877	-	-	6	51.877
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic	-	-	-	-	1	5.882	1	5.905	-	-	1	5.905
<i>Subtotal Recurring</i>		0.000		0.000		15.257		57.782		0.000		57.782
<i>Total, TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM</i>	-	-	-	-	2	15.257	7	57.782	-	-	7	57.782
<i>Total, All Modifications</i>		0.000		0.000		15.257		57.782		0.000		57.782
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		15.257		57.782		0.000		57.782
<i>Total Installation Cost</i>		0.000		0.000		1.576		7.481		0.000		7.481
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>16.833</b>		<b>65.263</b>		<b>0.000</b>		<b>65.263</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM												
A Kits												
Recurring												
1.1.1) FMP SHIP UNITS - NonOrganic	8	112.893	15	205.534	9	120.140	7	92.214	83	1,113.394	129	1,705.427
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic	3	26.387	-	-	-	-	-	-	-	-	5	38.174
<i>Subtotal Recurring</i>		139.280		205.534		120.140		92.214		1,113.394		1,743.601
<i>Total, TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM</i>	11	139.280	15	205.534	9	120.140	7	92.214	83	1,113.394	134	1,743.601
<i>Total, All Modifications</i>		139.280		205.534		120.140		92.214		1,113.394		1,743.601
<i>Procurement Cost (Procurement + Support)</i>		139.280		205.534		120.140		92.214		1,113.394		1,743.601
<i>Total Installation Cost</i>		16.902		31.840		56.679		32.053		344.461		490.992

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM - 7

<b>Models of Systems Affected:</b> TC059 SURFACE EW IMPROVEMENTS BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Total Cost (Procurement + Support + Installation)</b>		156.182		237.374		176.819		124.267		1,457.855		2,234.593

**Remarks:**

**Manufacturer Information: TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM**

Manufacturer Name: Lockheed Martin      Manufacturer Location: Syracuse, NY

Administrative Leadtime (*in Months*): 1      Production Leadtime (*in Months*): 17

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Mar 2012	Nov 2012				
Delivery Dates		Jul 2013	Nov 2013				

**Installation: TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM**

**Method of Implementation:** SHIPALT/AIT      **Installation Name:** FMP SHIP UNITS

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	0	1.576	1	6.319	0	0.000	1	6.319
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	0	1.576	1	6.319	0	0.000	1	6.319

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM - 7
<b>Models of Systems Affected:</b> TC059 SURFACE EW IMPROVEMENTS BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N

<b>Installation:</b> TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP SHIP UNITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	7.895
FY 2013	4	15.720	2	8.461	-	-	-	-	-	-	6	24.181
FY 2014	-	-	5	21.151	3	10.514	-	-	-	-	8	31.665
FY 2015	-	-	-	-	13	44.949	2	8.013	-	-	15	52.962
FY 2016	-	-	-	-	-	-	6	24.040	3	11.277	9	35.317
FY 2017	-	-	-	-	-	-	-	-	7	25.927	7	25.927
To Complete	-	-	-	-	-	-	-	-	83	307.257	83	307.257
<b>Total</b>	<b>4</b>	<b>15.720</b>	<b>7</b>	<b>29.612</b>	<b>16</b>	<b>55.463</b>	<b>8</b>	<b>32.053</b>	<b>93</b>	<b>344.461</b>	<b>129</b>	<b>485.204</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	3	2	-	-	5	3	2	5	6	2	-	3	3	93	129
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	3	2	-	-	5	3	2	5	6	2	-	3	96	129

<b>Installation:</b> TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	1	1.162	0	0.000	1	1.162
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM - 7
<b>Models of Systems Affected:</b> TC059 SURFACE EW IMPROVEMENTS BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N

<b>Installation:</b> TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	1	1.162	0	0.000	1	1.162

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	1.162
FY 2013	1	1.182	-	-	-	-	-	-	-	-	1	1.182
FY 2014	-	-	2	2.228	1	1.216	-	-	-	-	3	3.444
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	1.182	2	2.228	1	1.216	-	-	-	-	5	5.788

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM - 7
<b>Models of Systems Affected:</b> TC059 SURFACE EW IMPROVEMENTS BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N

<b>Installation:</b> TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2	-	1	-	-	-	-	-	-	-	5
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2	-	1	-	-	-	-	-	-	5

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM - 8

<b>Models of Systems Affected:</b> TC060 SURFACE EW IMPROVEMENTS BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	134.333	201.846	3,833.225	4,169.404
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	134.333	201.846	3,833.225	4,169.404
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>134.333</b>	<b>201.846</b>	<b>3,833.225</b>	<b>4,169.404</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

NEW CAPABILITY FOR THE AN/SLQ-32(V) THAT WILL ENHANCE SURFACE EW ELECTRONIC ATTACK (EA) CAPABILITY.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM - 8

<b>Models of Systems Affected:</b> TC060 SURFACE EW IMPROVEMENTS BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM												
A Kits												
Recurring												
1.1.1) FMP SHIP UNITS - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM												
A Kits												
Recurring												
1.1.1) FMP SHIP UNITS - NonOrganic	-	-	-	-	1	66.676	1	64.608	54	3,507.268	56	3,638.552
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic	-	-	-	-	1	66.676	2	129.216	-	-	3	195.892
<i>Subtotal Recurring</i>		0.000		0.000		133.352		193.824		3,507.268		3,834.444
<i>Total, TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM</i>	-	-	-	-	2	133.352	3	193.824	54	3,507.268	59	3,834.444
<i>Total, All Modifications</i>		0.000		0.000		133.352		193.824		3,507.268		3,834.444
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		133.352		193.824		3,507.268		3,834.444
<i>Total Installation Cost</i>		0.000		0.000		0.981		8.022		325.957		334.960



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM - 8

<b>Models of Systems Affected:</b> TC060 SURFACE EW IMPROVEMENTS BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		134.333		201.846		3,833.225		4,169.404

**Remarks:**

**Manufacturer Information: TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM**

Manufacturer Name: Manufacturer Name Not Provided.      Manufacturer Location: Manufacturer Location Not Provided.

Administrative Leadtime (*in Months*):      Production Leadtime (*in Months*):

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

**Installation: TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM**

**Method of Implementation:** SHIPALT/AIT      **Installation Name:** FMP SHIP UNITS

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> (Modification Title, Modification Number): TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM - 8
<b>Models of Systems Affected:</b> TC060 SURFACE EW IMPROVEMENTS BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N

<b>Installation:</b> TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Method of Implementation:</b> SHIPALT/AIT	<b>Installation Name:</b> FMP SHIP UNITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	0	0.981	1	4.741	-	-	1	5.722
FY 2017	-	-	-	-	-	-	-	-	1	5.775	1	5.775
To Complete	-	-	-	-	-	-	-	-	54	311.854	54	311.854
Total	-	-	-	-	0	0.981	1	4.741	55	317.629	56	323.351

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	55	56	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	56	

<b>Installation:</b> TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM - 8
<b>Models of Systems Affected:</b> TC060 SURFACE EW IMPROVEMENTS BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N

<b>Installation:</b> TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	1	3.281	-	-	1	3.281
FY 2017	-	-	-	-	-	-	-	-	2	8.328	2	8.328
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	1	3.281	2	8.328	3	11.609

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 4	<b>P-1 Line Item Nomenclature:</b> 2312 - AN/SLQ-32	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM - 8
<b>Models of Systems Affected:</b> TC060 SURFACE EW IMPROVEMENTS BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Type Modification:</b> SHIPALT/AIT	<b>Related RDT&amp;E PEs:</b> 0604757N

<b>Installation:</b> TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> NON-FMP SHORE SITE UNITS
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<b>Installation Schedule</b>																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 5 : Reconnaissance Equipment	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0304785N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	671.157	108.551	100.745	107.060	-	107.060	139.126	171.724	166.311	185.597	0.000	1,650.271
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	671.157	108.551	100.745	107.060	-	107.060	139.126	171.724	166.311	185.597	0.000	1,650.271
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	671.157	108.551	100.745	107.060	-	107.060	139.126	171.724	166.311	185.597	0.000	1,650.271
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	3.529	3.892	3.012	-	3.012	1.431	1.055	0.348	0.031	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[P40A / 1U027 Communication Data Link System (CDLS)]: CDLS provides network interface capability, wideband encryption, and command link upgrades to the Common High Bandwidth Data Link-Shipboard Terminal (CHBDL-ST) baseline system. CDLS provides a wideband data link between Navy/Joint airborne sensor systems and the shipboard processors of national and tactical reconnaissance programs. It is designed to communicate with the Signals Intelligence Mission and the Distributed Common Ground Station - Navy. CDLS benefits the fleet by providing horizon extension for line-of-sight sensor systems for use in time critical strike missions and is interoperable with the FA-18 Shared Reconnaissance Pod, Tactical Common Data Link (TCDL) equipped P-3C and electronics EP-3E Navy Aircraft, United States Air Force Dual Data Link II equipped special aircraft, and Global Hawk High Altitude Endurance Unmanned Aerial Vehicle. The Video Interface Group kit is an additional workstation that provides streaming video display, record, and playback capability to support TCDL Equipped Navy Aircraft.

[P40A / 1U029 Information Warfare (IW) Training Equipment]: IW Training Equipment provides operator, unit or multi-unit level training on Tactical Cryptologic Systems (TCS). This equipment enhances initial skills, provides refresher training and increases proficiency of the operator on TCS through the generation and replay of operational scenarios by software simulation versus hardware stimulation. IW training equipment is updated based on new variants of Ships Signal Exploitation Equipment (SSEE) Increment (Inc) E and F systems. Additionally this line supports the procurement of the STALLION (Formerly known as Cryptologic On-Line Trainer) hardware for Shipboard IW team training.

[P40A / 1U060 Integrated Communications and Data Systems (ICADS)]: ICADS (AN/URC-148(V)) is a Chief of Naval Operations (CNO) directed mission critical system which provides limited back-up, mobile communications capability for large deck naval platforms. The system provides a reliable, limited solution for re-establishing command and control for high value unit, subordinate units, and controlling fleet entities. ICADS is a Rapid Deployment Capability (RDC) and is comprised of several mature systems. Specific program details held at a higher classification. ICADS funding transfers to LI 2188 in FY12

[P3A / 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship]: ECP/Obsolescence procures Commercial Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and unsupported equipment for the Ships Signal Exploitation Equipment (SSEE) Increment (Inc) E and Inc F programs and incorporates Pre-Planned Product Improvements (P3I) for the acquisition and localization of Signals of Interest (SOI) and Electronic Warfare (EW). These changes allow for a common logistic support baseline and provide the hardware and software to incorporate P3I/new COTS base technologies. Specifically, this funds field change kits/ECPs that may also include all or some of the following upgrades; Tapered Slot Antennas (TSA), Hostile Force Integration Targeting Subsystems (HITS) hosted on Digital Receiver Technology (DRT), Red Falcon, Medusa (details classified), Radio Frequency Distribution Unit (RFDU) Backfits, Global Positioning System (GPS) Selective Availability Anti-Spoofing Modules (SAASM), various antenna types, various hardware (to include blade servers) and software upgrades, and equipment to provide Information Operation (IO)/EW acquisition capabilities and localization of modern threat communications and SOI.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 5 : Reconnaissance Equipment

**P-1 Line Item Nomenclature:**  
 2360 - Shipboard IW Exploit

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0304785N

[P3A / 1U017 SSEE Increment E]: The Ship Signal Exploitation Equipment (SSEE) Program will provide strike groups with Information Operation (IO) / non-kinetic capabilities and the subsequent ability to exploit Signals Of Interest (SOI) by providing a state-of-the-art system which detects, acquires, and collects data on any potential threat.

[P3A / 1U017 SSEE Increment F Ship]: The SSEE Inc F program is an incremental acquisition, COTS/NDI program designed as the building block to improve the Information Warfare (IW) exploitation / IO / non-kinetic and subsequent tactical cryptologic capability across Navy surface combatant platforms. SSEE Inc F provides the afloat IW / cryptologist with IO / non-kinetic capabilities and subsequent threat identification and analysis of Communications Intelligence as well as queuing of radio direction finding assets. Equipment includes receivers, Radio Frequency management systems, recorders, audio distribution systems, computers, antennas and ancillary hardware. The system is upgraded incrementally as improvements are developed. SSEE Inc F employs the Maritime Cryptologic Strategy for the 21st century concept of a single core architecture that is easily modernized and scaled in capability. The system design permits the rapid insertion of new and emerging P3I to address the evolving threat. The system utilizes generic processor technology to counteract obsolescence issues with digital signal processing / field programmable gate array technologies and provide software receivers for ease of modification to deal with known and projected threat SOI. Automated signal acquisition and integrated radio direction finding are incorporated into the SSEE Inc F system.

[P3A / 1U018/1U019 Paragon-Graywing]: Paragon is a classified Navy tactical signals intelligence frequency extension capability that will be integrated into SSEE systems. This capability provides simultaneous detection, collection, processing, IO and display of communication intelligence data from hostile, high threat and adversary platforms in select frequency ranges that are not prosecuted or countered today. Graywing is an advanced common data link system that will be integrated into SSEE systems. It is a critical component of "Ballistic Missile Defense, Executive Committee, Anti-Submarine Warfare, Chief of Naval Operations, Executive Board IO Countermeasure Red Flash" initiative (details held at a higher classification level).

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Shipboard IW Exploit (See enclosed P-40A)	P40A, P5A				36.394			15.480			4.342			4.152			0.000			4.152
1U013 Engineering Change Proposal (ECP)/ Obsolescence Ship - 1	P3A		-	-	307.097	-	-	15.631	-	-	11.042	-	-	8.307	-	-	0.000	-	-	8.307
1U013 Engineering Change Proposal (ECP) Obsolescence Shore - 2	P3A		-	-	0.000	-	-	0.000	-	-	1.050	-	-	0.150	-	-	0.000	-	-	0.150
1U017 SSEE Increment E - 3	P3A		-	-	286.452	-	-	3.840	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1U017 SSEE Increment F Ship - 4	P3A		-	-	22.846	-	-	61.834	-	-	79.306	-	-	79.681	-	-	0.000	-	-	79.681
1U017 SSEE Inc F - Shore - 5	P3A		-	-	18.368	-	-	11.766	-	-	5.005	-	-	0.000	-	-	0.000	-	-	0.000
1U018/1U019 Paragon-Graywing - 6	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	14.770	-	-	0.000	-	-	14.770
<b>Total Gross/Weapon System Cost</b>					<b>671.157</b>			<b>108.551</b>			<b>100.745</b>			<b>107.060</b>			-			<b>107.060</b>

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 5 : Reconnaissance Equipment **P-1 Line Item Nomenclature:**  
 2360 - Shipboard IW Exploit

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0304785N

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Shipboard IW Exploit (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
1U013 Engineering Change Proposal (ECP)/ Obsolescence Ship - 1	P3A		-	-	11.462	-	-	14.922	-	-	16.459	-	-	11.109	-	-	0.000	-	-	396.029
1U013 Engineering Change Proposal (ECP) Obsolescence Shore - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1.200
1U017 SSEE Increment E - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	290.292
1U017 SSEE Increment F Ship - 4	P3A		-	-	87.861	-	-	92.906	-	-	87.201	-	-	94.757	-	-	0.000	-	-	606.392
1U017 SSEE Inc F - Shore - 5	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	35.139
1U018/1U019 Paragon-Graywing - 6	P3A		-	-	38.878	-	-	62.956	-	-	61.694	-	-	78.758	-	-	0.000	-	-	257.056
<b>Total Gross/Weapon System Cost</b>					<b>139.126</b>			<b>171.724</b>			<b>166.311</b>			<b>185.597</b>			<b>0.000</b>			<b>1,650.271</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 PROCUREMENT DATA:  
 FY13 funding will procure: (7) SSEE Inc F Systems; (1) Ship IW Training System (12) Engineering Change Proposal (ECP)/Field Change Kits; (4) Medusa; (2) Paragon and (2) Graywing and ; (12) Common Data Link Systems (CDLS) crypto status module drawers for Communication Security (COMSEC).  
  
 FY13 funding will support the procurement and installation of an upgrade ECP for CDLS Crypto Status Module drawers for Communication Security (COMSEC) compliance per National Security Agency (NSA) mandate.

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 5							P-1 Line Item Nomenclature: 2360 - Shipboard IW Exploit							Aggregated Item Name: Shipboard IW Exploit					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) 1U027 Communication Data Link System (CDLS)</b>																			
† 1.1) Communication Data Link System (CDLS)	A	-	-	-	-	-	-	255.000	12	3.060	257.000	12	3.084	-	-	-	257.000	12	3.084
<i>Subtotal 1) 1U027 Communication Data Link System (CDLS)</i>				0.000			0.000			3.060			3.084			0.000			3.084
<b>2) 1U029 Information Warfare (IW) Training Equipment</b>																			
† 2.1) Information Warfare (IW) Training Equipment	A	-	-	7.276	880.000	1	0.880	895.000	1	0.895	821.000	1	0.821	-	-	-	821.000	1	0.821
<i>Subtotal 2) 1U029 Information Warfare (IW) Training Equipment</i>				7.276			0.880			0.895			0.821			0.000			0.821
<b>3) 1U060 Integrated Communications and Data Systems (ICADS)</b>																			
† 3.1) ICADS System	A	-	-	29.118	12,000.000	1	12.000	-	-	-	-	-	-	-	-	-	-	-	-
† 3.2) ICADS ECP	A	-	-	-	520.000	5	2.600	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) 1U060 Integrated Communications and Data Systems (ICADS)</i>				29.118			14.600			0.000			0.000			0.000			0.000
<b>4) 1U555 Production Support</b>																			
4.1) CDLS	A	-	-	-	-	-	-	-	-	0.184	-	-	0.049	-	-	-	-	-	0.049
<i>Subtotal 4) 1U555 Production Support</i>				0.000			0.000			0.184			0.049			0.000			0.049
<b>5) 1U777 - CDL Install (Ship)</b>																			
5.1) CDLS	A	-	-	-	-	-	-	-	-	0.203	-	-	0.198	-	-	-	-	-	0.198
<i>Subtotal 5) 1U777 - CDL Install (Ship)</i>				0.000			0.000			0.203			0.198			0.000			0.198
<b>Total</b>				<b>36.394</b>			<b>15.480</b>			<b>4.342</b>			<b>4.152</b>			<b>0.000</b>			<b>4.152</b>



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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 5					P-1 Line Item Nomenclature: 2360 - Shipboard IW Exploit					Aggregated Item Name: Shipboard IW Exploit									
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) 1U027 Communication Data Link System (CDLS)</b>																			
† 1.1) Communication Data Link System (CDLS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) 1U027 Communication Data Link System (CDLS)				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) 1U029 Information Warfare (IW) Training Equipment</b>																			
† 2.1) Information Warfare (IW) Training Equipment	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) 1U029 Information Warfare (IW) Training Equipment				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) 1U060 Integrated Communications and Data Systems (ICADS)</b>																			
† 3.1) ICADS System	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 3.2) ICADS ECP	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) 1U060 Integrated Communications and Data Systems (ICADS)				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) 1U555 Production Support</b>																			
4.1) CDLS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) 1U555 Production Support				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) 1U777 - CDL Install (Ship)</b>																			
5.1) CDLS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 5) 1U777 - CDL Install (Ship)				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>Remarks:</b>																			

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 5				P-1 Line Item Nomenclature: 2360 - Shipboard IW Exploit				Aggregated Item Name: Shipboard IW Exploit				
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) 1U027 Communication Data Link System (CDLS)</b>												
1.1) Communication Data Link System (CDLS)		2012	CUBIC / CALIFORNIA	SS / CPFF	San Diego, CA	Apr 2012	Feb 2013	12	255.000	Y		Sep 2011
1.1) Communication Data Link System (CDLS)		2013	CUBIC / CALIFORNIA	SS / CPFF	San Diego, CA	Nov 2012	Sep 2013	12	257.000	Y		Sep 2011
<b>2) 1U029 Information Warfare (IW) Training Equipment</b>												
2.1) Information Warfare (IW) Training Equipment		2011	SSC PAC / San Diego, CA	WR	San Diego, CA	Nov 2010	Aug 2011	1	880.000	Y		
2.1) Information Warfare (IW) Training Equipment		2012	SSC PAC / San Diego, CA	WR	San Diego, CA	Nov 2011	Aug 2012	1	895.000	Y		
2.1) Information Warfare (IW) Training Equipment		2013	SSC PAC / San Diego, CA	WR	San Diego, CA	Nov 2012	Aug 2013	1	821.000	Y		
<b>3) 1U060 Integrated Communications and Data Systems (ICADS)</b>												
3.1) ICADS System		2011	SSC LANT / Charleston, SC	WR	Charleston, SC	May 2011	May 2013	1	12,000.000	Y		
3.2) ICADS ECP		2011	SSC LANT / Charleston, SC	WR	Charleston, SC	May 2011	Apr 2012	5	520.000	Y		
<b>Remarks:</b>												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship - 1

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	307.097	15.631	11.042	8.307	0.000	8.307	11.462	14.922	16.459	11.109	0.000	396.029
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	307.097	15.631	11.042	8.307	0.000	8.307	11.462	14.922	16.459	11.109	0.000	396.029
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>307.097</b>	<b>15.631</b>	<b>11.042</b>	<b>8.307</b>	<b>0.000</b>	<b>8.307</b>	<b>11.462</b>	<b>14.922</b>	<b>16.459</b>	<b>11.109</b>	<b>0.000</b>	<b>396.029</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Engineering Change Proposal (ECP)/Obsolescence procures Commercial Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and unsupported equipment for the Ships Signal Exploitation Equipment (SSEE) program and incorporation of Pre-Planned Product Improvements (P3I) for the acquisition and localization of Signals of Interest (SOI) and Information Operations (IO). These changes allow for a common logistic support baseline and provide the hardware and software to incorporate P3I/new COTS base technologies.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship - 1

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0304785N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
1U013 Engineering Change Proposal (ECP)/Obsolescence Ship												
B Kits												
Recurring												
1.1.1) SSEE Inc E ECP's (Prior Year) - NonOrganic	35	232.792	-	-	-	-	-	-	-	-	-	-
1.1.2) SSEE Inc E Group II (A) Field Change Kit - NonOrganic (1)	12	21.990	9	6.142	8	3.112	12	3.552	-	-	12	3.552
1.1.3) SSEE Inc E Group III (Antenna Upgrades) - NonOrganic	16	6.780	4	1.980	-	-	-	-	-	-	-	-
1.1.4) SSEE Inc F Group IV Upgrade - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) ISR LITE NSA MINI CLOUD - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) MEDUSA - NonOrganic	-	-	7	3.500	12	4.800	4	1.800	-	-	4	1.800
<i>Subtotal Recurring</i>		261.562		11.622		7.912		5.352		0.000		5.352
<i>Total, 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship</i>	63	261.562	20	11.622	20	7.912	16	5.352	-	-	16	5.352
<i>Total, All Modifications</i>		261.562		11.622		7.912		5.352		0.000		5.352
<b>Support</b>												
2.1) Production Support	-	0.463	-	0.869	-	0.550	-	0.267	-	-	-	0.267
2.2) DSA - Ship	-	-	-	0.740	-	0.423	-	0.648	-	-	-	0.648
<i>Total Support Cost</i>		0.463		1.609		0.973		0.915		0.000		0.915
<i>Procurement Cost (Procurement + Support)</i>		262.025		13.231		8.885		6.267		0.000		6.267
<i>Total Installation Cost</i>		45.072		2.400		2.157		2.040		0.000		2.040
<b>Total Cost (Procurement + Support + Installation)</b>		307.097		15.631		11.042		8.307		0.000		8.307

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
1U013 Engineering Change Proposal (ECP)/Obsolescence Ship												
B Kits												
Recurring												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship - 1

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0304785N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1.1) SSEE Inc E ECP's (Prior Year) - NonOrganic	-	-	-	-	-	-	-	-	-	-	35	232.792
1.1.2) SSEE Inc E Group II (A) Field Change Kit - NonOrganic <sup>(1)</sup>	10	3.465	10	3.745	9	3.236	-	-	-	-	70	45.242
1.1.3) SSEE Inc E Group III (Antenna Upgrades) - NonOrganic	-	-	-	-	-	-	-	-	-	-	20	8.760
1.1.4) SSEE Inc F Group IV Upgrade - NonOrganic	2	0.900	9	4.275	6	2.910	8	4.000	-	-	25	12.085
1.1.5) ISR LITE NSA MINI CLOUD - NonOrganic	-	-	-	-	8	3.300	9	2.738	-	-	17	6.038
1.1.6) MEDUSA - NonOrganic	7	3.220	6	2.850	5	2.500	-	-	-	-	41	18.670
<i>Subtotal Recurring</i>		7.585		10.870		11.946		6.738		0.000		323.587
<i>Total, 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship</i>	19	7.585	25	10.870	28	11.946	17	6.738	-	-	208	323.587
<i>Total, All Modifications</i>		7.585		10.870		11.946		6.738		0.000		323.587
<b>Support</b>												
2.1) Production Support	-	0.429	-	0.652	-	0.497	-	0.404	-	-	-	4.131
2.2) DSA - Ship	-	0.628	-	0.600	-	0.861	-	0.717	-	-	-	4.617
<i>Total Support Cost</i>		1.057		1.252		1.358		1.121		0.000		8.748
<i>Procurement Cost (Procurement + Support)</i>		8.642		12.122		13.304		7.859		0.000		332.335
<i>Total Installation Cost</i>		2.820		2.800		3.155		3.250		0.000		63.694
<b>Total Cost (Procurement + Support + Installation)</b>		11.462		14.922		16.459		11.109		0.000		396.029

**Remarks:**

- (1) - ECP equipment being procured supports SSEE Inc E and Inc F. Unit cost listed above is the average unit cost, which ranges from \$.160M to \$.800M. ECPs are then grouped into "Field Change Kits" based on configuration of the Lot and/or Variant being upgraded for installation.
- SSEE E Group II (A) Field Change Kits (FCK) include HITS/DRTs/blade servers and antenna rotors as part of the FCK.
- Installation quantities may reflect multiple ECP Procurements based on ship configuration.
- First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

**Manufacturer Information: 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship**

Manufacturer Name: TICOM	Manufacturer Location: TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 12

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship - 1

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0304785N
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**Manufacturer Information: 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship**

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Nov 2010						
Delivery Dates	Nov 2011						

Manufacturer Name: SSC PAC	Manufacturer Location: San Diego, CA
Administrative Leadtime <i>(in Months):</i> 1	Production Leadtime <i>(in Months):</i> 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Nov 2010						
Delivery Dates	Nov 2011						

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime <i>(in Months):</i> 1	Production Leadtime <i>(in Months):</i> 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Nov 2012				
Delivery Dates		Feb 2013	Nov 2013				

Manufacturer Name: Unknown	Manufacturer Location: Unknown
Administrative Leadtime <i>(in Months):</i> 1	Production Leadtime <i>(in Months):</i> 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Nov 2012				
Delivery Dates		Feb 2013	Nov 2013				

<b>Installation:</b> 1U013 Engineering Change Proposal (ECP)/ Obsolescence Ship	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> ECP/OBSOLESCENCE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	55	45.072	8	2.400	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	16	2.157	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	20	2.040	0	0.000	20	2.040
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5		<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship - 1

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Installation:</b> 1U013 Engineering Change Proposal (ECP)/ Obsolescence Ship	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> ECP/OBSOLESCENCE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	55	45.072	8	2.400	16	2.157	20	2.040	0	0.000	20	2.040

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	63	47.472
FY 2011	-	-	-	-	-	-	-	-	-	-	16	2.157
FY 2012	-	-	-	-	-	-	-	-	-	-	20	2.040
FY 2013	16	2.820	-	-	-	-	-	-	-	-	16	2.820
FY 2014	-	-	19	2.800	-	-	-	-	-	-	19	2.800
FY 2015	-	-	-	-	25	3.155	-	-	-	-	25	3.155
FY 2016	-	-	-	-	-	-	28	3.250	-	-	28	3.250
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	16	2.820	19	2.800	25	3.155	28	3.250	-	-	187	63.694

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	55	2	2	2	2	-	1	6	6	4	4	7	7	1	6	4	5	1	5	6	7	1	8	9	8	5	6	9	8	17	204
Out	55	2	2	2	2	-	1	6	6	4	4	7	7	1	6	4	5	1	5	6	7	1	8	9	8	5	6	9	8	17	204

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 1U013 Engineering Change Proposal (ECP) Obsolescence Shore - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrades	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	1.050	0.150	0.000	0.150	0.000	0.000	0.000	0.000	0.000	1.200
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	1.050	0.150	0.000	0.150	0.000	0.000	0.000	0.000	0.000	1.200
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>1.050</b>	<b>0.150</b>	<b>0.000</b>	<b>0.150</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.200</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Engineering Change Proposal(ECP)/Obsolescence procures Commercial Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and unsupported equipment for the Ships Signal Exploitation Equipment (SSEE) program and incorporation of Pre-Planned Product Improvements (P3I) for the acquisition and localization of Signals of Interest (SOI) and Information Operations (IO). These changes allow for a common logistic support baseline and provide the hardware and software to incorporate P3I/new COTS base technologies.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U013 Engineering Change Proposal (ECP) Obsolescence Shore - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrades	<b>Related RDT&amp;E PEs:</b> 0304785N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
1U013 Engineering Change Proposal (ECP) Obsolescence Shore												
B Kits												
Recurring												
1.1.1) [1U013 Engineering Change Proposal (ECP) Obso Shore] - NonOrganic	-	-	-	-	3	1.050	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		1.050		0.000		0.000		0.000
<i>Total, 1U013 Engineering Change Proposal (ECP) Obsolescence Shore</i>	-	-	-	-	3	1.050	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		1.050		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		1.050		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.150		0.000		0.150
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>1.050</b>		<b>0.150</b>		<b>0.000</b>		<b>0.150</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
1U013 Engineering Change Proposal (ECP) Obsolescence Shore												
B Kits												
Recurring												
1.1.1) [1U013 Engineering Change Proposal (ECP) Obso Shore] - NonOrganic	-	-	-	-	-	-	-	-	-	-	3	1.050
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		1.050
<i>Total, 1U013 Engineering Change Proposal (ECP) Obsolescence Shore</i>	-	-	-	-	-	-	-	-	-	-	3	1.050
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		1.050
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		1.050
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.150
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>1.200</b>

Remarks:

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U013 Engineering Change Proposal (ECP) Obsolescence Shore - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrades	<b>Related RDT&amp;E PEs:</b> 0304785N
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**Manufacturer Information: 1U013 Engineering Change Proposal (ECP) Obsolescence Shore**

Manufacturer Name: ARGON	Manufacturer Location: Fairfax, VA
Administrative Leadtime ( <i>in Months</i> ): 1	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012					
Delivery Dates		Feb 2013					

<b>Installation:</b> 1U013 Engineering Change Proposal (ECP) Obsolescence Shore	<b>Method of Implementation:</b> Shore	<b>Installation Name:</b> [1U013 Engineering Change Proposal (ECP) Obso Shore]
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	3	0.150	0	0.000	3	0.150
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	3	0.150	0	0.000	3	0.150

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	3	0.150
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U013 Engineering Change Proposal (ECP) Obsolescence Shore - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrades	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Installation:</b> 1U013 Engineering Change Proposal (ECP) Obsolescence Shore	<b>Method of Implementation:</b> Shore	<b>Installation Name:</b> [1U013 Engineering Change Proposal (ECP) Obso Shore]
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	3	0.150

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5			<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 1U017 SSEE Increment E - 3					
<b>Models of Systems Affected:</b> Ship			<b>Type Modification:</b> System				<b>Related RDT&amp;E PEs:</b> 0304785N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	286.452	3.840	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	290.292
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	286.452	3.840	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	290.292
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	286.452	3.840	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	290.292

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Ship Signal Exploitation Equipment (SSEE) Program will provide strike groups with Information Operation (IO) / non-kinetic capabilities and the subsequent ability to exploit Signals Of Interest (SOI) by providing a state-of-the-art system which detects, acquires, and collects data on any potential threat.

[1U017 SSEE Inc E - Ship]

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5					<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Increment E - 3			
<b>Models of Systems Affected:</b> Ship				<b>Type Modification:</b> System				<b>Related RDT&amp;E PEs:</b> 0304785N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
1U017 SSEE Increment E													
B Kits													
Recurring													
1.1.1) 1U017 SSEE Inc E - Ship - NonOrganic <sup>(2)</sup>													
	51	198.963	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		198.963		0.000		0.000		0.000		0.000		0.000	
<i>Total, 1U017 SSEE Increment E</i>		51	198.963	-	-	-	-	-	-	-	-	-	
<i>Total, All Modifications</i>			198.963		0.000		0.000		0.000		0.000		
<b>Support</b>													
2.1) Production Support													
	-	16.998	-	-	-	-	-	-	-	-	-	-	
2.2) DSA (Ship)													
	15	15.103	-	0.240	-	-	-	-	-	-	-	-	
<i>Total Support Cost</i>			32.101		0.240		0.000		0.000		0.000		
<i>Procurement Cost (Procurement + Support)</i>			231.064		0.240		0.000		0.000		0.000		
<i>Total Installation Cost</i>			55.388		3.600		0.000		0.000		0.000		
<b>Total Cost (Procurement + Support + Installation)</b>			<b>286.452</b>		<b>3.840</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
1U017 SSEE Increment E													
B Kits													
Recurring													
1.1.1) 1U017 SSEE Inc E - Ship - NonOrganic <sup>(2)</sup>													
	-	-	-	-	-	-	-	-	-	-	51	198.963	
<i>Subtotal Recurring</i>			0.000		0.000		0.000		0.000			198.963	
<i>Total, 1U017 SSEE Increment E</i>			-		-		-		-		51	198.963	
<i>Total, All Modifications</i>			0.000		0.000		0.000		0.000			198.963	
<b>Support</b>													
2.1) Production Support													
	-	-	-	-	-	-	-	-	-	-	-	16.998	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Increment E - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.2) DSA (Ship)	-	-	-	-	-	-	-	-	-	-	15	15.343
<b>Total Support Cost</b>		0.000		0.000		0.000		0.000		0.000		32.341
<b>Procurement Cost (Procurement + Support)</b>		0.000		0.000		0.000		0.000		0.000		231.304
<b>Total Installation Cost</b>		0.000		0.000		0.000		0.000		0.000		58.988
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		290.292

**Remarks:**  
(2)- Install from prior year won't be complete until 1st Qtr of FY12.

**Manufacturer Information: 1U017 SSEE Increment E**

Manufacturer Name: Manufacturer Name Not Provided.	Manufacturer Location: Manufacturer Location Not Provided.
Administrative Leadtime (in Months):	Production Leadtime (in Months):

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

<b>Installation:</b> 1U017 SSEE Increment E	<b>Method of Implementation:</b> Ship	<b>Installation Name:</b> 1U017 SSEE Inc E - Ship
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	49	55.388	2	3.600	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	49	55.388	2	3.600	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Increment E - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Installation:</b> 1U017 SSEE Increment E	<b>Method of Implementation:</b> Ship	<b>Installation Name:</b> 1U017 SSEE Inc E - Ship
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	51	58.988
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	51	58.988

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	49	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Out	49	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51

<b>Installation:</b> 1U017 SSEE Increment E	<b>Method of Implementation:</b> Not Installed - DSA (Ship)	<b>Installation Quantity:</b> 15
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**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5			<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Increment F Ship - 4					
<b>Models of Systems Affected:</b> Ship			<b>Type Modification:</b> System				<b>Related RDT&amp;E PEs:</b> 0304785N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	22.846	61.834	79.306	79.681	0.000	79.681	87.861	92.906	87.201	94.757	0.000	606.392
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	22.846	61.834	79.306	79.681	0.000	79.681	87.861	92.906	87.201	94.757	0.000	606.392
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>22.846</b>	<b>61.834</b>	<b>79.306</b>	<b>79.681</b>	<b>0.000</b>	<b>79.681</b>	<b>87.861</b>	<b>92.906</b>	<b>87.201</b>	<b>94.757</b>	<b>0.000</b>	<b>606.392</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Ship Signal Exploitation Equipment (SSEE) Program will provide strike groups with Information Operation (IO) / non-kinetic capabilities and the subsequent ability to exploit Signals Of Interest (SOI) by providing a state-of-the-art system which detects, acquires, and collects data on any potential threat.

[Inc F Systems (Ship)]



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5					<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Increment F Ship - 4			
<b>Models of Systems Affected:</b> Ship				<b>Type Modification:</b> System				<b>Related RDT&amp;E PEs:</b> 0304785N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
1U017 SSEE Increment F Ship													
B Kits													
Recurring													
1.1.1) Inc F Systems (Ship) - NonOrganic <sup>(3)</sup>													
	3	20.400	7	49.770	9	64.233	7	53.102	-	-	7	53.102	
<i>Subtotal Recurring</i>													
		20.400		49.770		64.233		53.102		0.000		53.102	
<i>Total, 1U017 SSEE Increment F Ship</i>													
	3	20.400	7	49.770	9	64.233	7	53.102	-	-	7	53.102	
<i>Total, All Modifications</i>													
		20.400		49.770		64.233		53.102		0.000		53.102	
<b>Support</b>													
2.1) Production Support (Ship)													
	-	1.798	-	3.964	-	3.720	-	2.576	-	-	-	2.576	
2.2) DSA (Ship)													
	-	0.648	-	1.800	-	2.953	-	3.003	-	-	-	3.003	
<i>Total Support Cost</i>													
		2.446		5.764		6.673		5.579		0.000		5.579	
<i>Procurement Cost (Procurement + Support)</i>													
		22.846		55.534		70.906		58.681		0.000		58.681	
<i>Total Installation Cost</i>													
		0.000		6.300		8.400		21.000		0.000		21.000	
<b>Total Cost (Procurement + Support + Installation)</b>													
		22.846		61.834		79.306		79.681		0.000		79.681	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
1U017 SSEE Increment F Ship													
B Kits													
Recurring													
1.1.1) Inc F Systems (Ship) - NonOrganic <sup>(3)</sup>													
	8	60.480	9	67.113	8	60.000	9	68.400	-	-	60	443.498	
<i>Subtotal Recurring</i>													
		60.480		67.113		60.000		68.400		0.000		443.498	
<i>Total, 1U017 SSEE Increment F Ship</i>													
	8	60.480	9	67.113	8	60.000	9	68.400	-	-	60	443.498	
<i>Total, All Modifications</i>													
		60.480		67.113		60.000		68.400		0.000		443.498	
<b>Support</b>													
2.1) Production Support (Ship)													
	-	3.278	-	3.959	-	2.800	-	4.048	-	-	-	26.143	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Increment F Ship - 4

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2.2) DSA (Ship)	-	3.610	-	3.530	-	3.490	-	3.629	-	-	-	22.663
<b>Total Support Cost</b>		6.888		7.489		6.290		7.677		0.000		48.806
<b>Procurement Cost (Procurement + Support)</b>		67.368		74.602		66.290		76.077		0.000		492.304
<b>Total Installation Cost</b>		20.493		18.304		20.911		18.680		0.000		114.088
<b>Total Cost (Procurement + Support + Installation)</b>		87.861		92.906		87.201		94.757		0.000		606.392

**Remarks:**  
<sup>(3)</sup>- LRIP (Feb-11)/FRP (July-11).  
 - First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

**Manufacturer Information: 1U017 SSEE Increment F Ship**

Manufacturer Name: ARGON				Manufacturer Location: Fairfax, VA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 12			

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Feb 2011						
Delivery Dates	Feb 2012						

Manufacturer Name: ARGON				Manufacturer Location: Fairfax, VA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 12			

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jul 2011						
Delivery Dates	Jul 2012						

Manufacturer Name: ARGON				Manufacturer Location: Fairfax, VA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 12			

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Nov 2012				
Delivery Dates		Nov 2012	Nov 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Increment F Ship - 4
<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N

<b>Installation:</b> 1U017 SSEE Increment F Ship		<b>Method of Implementation:</b> Ship				<b>Installation Name:</b> Inc F Systems (Ship)						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	3	6.300	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	4	8.400	3	6.300	0	0.000	3	6.300
FY 2012	-	-	-	-	-	-	7	14.700	0	0.000	7	14.700
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	3	6.300	4	8.400	10	21.000	0	0.000	10	21.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	3	6.300
FY 2011	-	-	-	-	-	-	-	-	-	-	7	14.700
FY 2012	2	4.554	-	-	-	-	-	-	-	-	9	19.254
FY 2013	7	15.939	-	-	-	-	-	-	-	-	7	15.939
FY 2014	-	-	8	18.304	-	-	-	-	-	-	8	18.304
FY 2015	-	-	-	-	9	20.911	-	-	-	-	9	20.911
FY 2016	-	-	-	-	-	-	8	18.680	-	-	8	18.680
FY 2017	-	-	-	-	-	-	-	-	9	0.000	9	0.000
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	9	20.493	8	18.304	9	20.911	8	18.680	9	0.000	60	114.088

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Increment F Ship - 4

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Installation:</b> 1U017 SSEE Increment F Ship	<b>Method of Implementation:</b> Ship	<b>Installation Name:</b> Inc F Systems (Ship)
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Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	3	-	-	-	1	3	3	4	-	3	2	5	1	2	3	2	1	1	2	3	4	1	2	3	2	9	60
Out	-	-	-	-	3	-	-	-	1	3	2	2	3	3	2	5	1	2	3	2	1	1	2	3	4	1	2	3	2	9	60

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5			<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Inc F - Shore - 5					

<b>Models of Systems Affected:</b> Shore			<b>Type Modification:</b> System				<b>Related RDT&amp;E PEs:</b> 0304785N					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	18.368	11.766	5.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.139
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	18.368	11.766	5.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.139
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>18.368</b>	<b>11.766</b>	<b>5.005</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>35.139</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Ship Signal Exploitation Equipment (SSEE) Program will provide strike groups with Information Operation (IO) / non-kinetic capabilities and the subsequent ability to exploit Signals Of Interest (SOI) by providing a state-of-the-art system which detects, acquires, and collects data on any potential threat.

[Training Equipment - Training Simulators]

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Inc F - Shore - 5

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
1U017 SSEE Inc F - Shore												
B Kits												
Recurring												
1.1.1) SSEE Inc F - Shore - NonOrganic	2	13.600	1	7.110	-	-	-	-	-	-	-	-
1.1.2) Training Equipment - Training Simulators - NonOrganic <sup>(4)</sup>	2	3.952	1	2.590	1	2.605	-	-	-	-	-	-
<i>Subtotal Recurring</i>		17.552		9.700		2.605		0.000		0.000		0.000
<i>Total, 1U017 SSEE Inc F - Shore</i>	4	17.552	2	9.700	1	2.605	-	-	-	-	-	-
<i>Total, All Modifications</i>		17.552		9.700		2.605		0.000		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	0.816	-	0.566	-	0.290	-	-	-	-	-	-
<i>Total Support Cost</i>		0.816		0.566		0.290		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		18.368		10.266		2.895		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		1.500		2.110		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		18.368		11.766		5.005		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
1U017 SSEE Inc F - Shore												
B Kits												
Recurring												
1.1.1) SSEE Inc F - Shore - NonOrganic	-	-	-	-	-	-	-	-	-	-	3	20.710
1.1.2) Training Equipment - Training Simulators - NonOrganic <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	4	9.147
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		29.857
<i>Total, 1U017 SSEE Inc F - Shore</i>	-	-	-	-	-	-	-	-	-	-	7	29.857
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		29.857
<b>Support</b>												

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Inc F - Shore - 5

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	1.672
<b>Total Support Cost</b>		0.000		0.000		0.000		0.000		0.000		1.672
<b>Procurement Cost (Procurement + Support)</b>		0.000		0.000		0.000		0.000		0.000		31.529
<b>Total Installation Cost</b>		0.000		0.000		0.000		0.000		0.000		3.610
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		35.139

**Remarks:**  
(4)1/ Production lead time for Prior Year Training Simulators was 15 months due to new configuration and design with unique production processes.

**Manufacturer Information: 1U017 SSEE Inc F - Shore**

Manufacturer Name: ARGON				Manufacturer Location: Fairfax, VA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 12			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Feb 2011						
Delivery Dates	Feb 2012						

Manufacturer Name: ARGON				Manufacturer Location: Fairfax, VA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 7			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012					
Delivery Dates		Sep 2012					

<b>Installation:</b> 1U017 SSEE Inc F - Shore	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> SSEE INC F Shore
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	-	-	2	1.500	2	0.800	-	-	-	-	-	-
FY 2011	-	-	-	-	2	0.910	-	-	-	-	-	-
FY 2012	-	-	-	-	1	0.400	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U017 SSEE Inc F - Shore - 5

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Installation:</b> 1U017 SSEE Inc F - Shore	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> SSEE INC F Shore
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	2	1.500	5	2.110	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	4	2.300
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.910
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.400
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	7	3.610

Installation Schedule																															
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	2	2	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Out	-	-	-	-	2	2	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U018/1U019 Paragon-Graywing - 6

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	14.770	0.000	14.770	38.878	62.956	61.694	78.758	0.000	257.056
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	14.770	0.000	14.770	38.878	62.956	61.694	78.758	0.000	257.056
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>14.770</b>	<b>0.000</b>	<b>14.770</b>	<b>38.878</b>	<b>62.956</b>	<b>61.694</b>	<b>78.758</b>	<b>0.000</b>	<b>257.056</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Paragon is a classified Navy tactical signals intelligence frequency extension capability that will be integrated into Ship Signal Exploitation Equipment (SSEE) systems. This capability provides simultaneous detection, collection, processing, Information Operations and display of communication intelligence data from hostile, high threat and adversary platforms in select frequency ranges that are not prosecuted or countered today. Graywing is an advanced common data link system that will be integrated into SSEE Inc E and Inc F systems. It is a critical component of "Ballistic Missile Defense, Executive Committee, Anti-Submarine Warfare, Chief of Naval Operations, Executive Board Information Operation (IO) Countermeasure Red Flash" (details held at a higher classification level).

[Paragon]

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5				<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U018/1U019 Paragon-Graywing - 6					
<b>Models of Systems Affected:</b> Ship			<b>Type Modification:</b> System					<b>Related RDT&amp;E PEs:</b> 0304785N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
1U018/1U019 Paragon-Graywing													
B Kits													
Recurring													
1.1.1) Paragon - Organic <sup>(5)</sup>													
	-	-	-	-	-	-	2	6.400	-	-	2	6.400	
1.1.2) Graywing - NonOrganic <sup>(6)</sup>													
	-	-	-	-	-	-	2	7.000	-	-	2	7.000	
<i>Subtotal Recurring</i>													
		0.000		0.000		0.000		13.400		0.000		13.400	
<i>Total, 1U018/1U019 Paragon-Graywing</i>													
	-	-	-	-	-	-	4	13.400	-	-	4	13.400	
<i>Total, All Modifications</i>													
		0.000		0.000		0.000		13.400		0.000		13.400	
<b>Support</b>													
2.1) Production Support													
	-	-	-	-	-	-	-	0.670	-	-	-	0.670	
2.2) DSA													
	-	-	-	-	-	-	-	0.700	-	-	-	0.700	
<i>Total Support Cost</i>													
		0.000		0.000		0.000		1.370		0.000		1.370	
<i>Procurement Cost (Procurement + Support)</i>													
		0.000		0.000		0.000		14.770		0.000		14.770	
<i>Total Installation Cost</i>													
		0.000		0.000		0.000		0.000		0.000		0.000	
<b>Total Cost (Procurement + Support + Installation)</b>													
		0.000		0.000		0.000		14.770		0.000		14.770	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
1U018/1U019 Paragon-Graywing													
B Kits													
Recurring													
1.1.1) Paragon - Organic <sup>(5)</sup>													
	5	16.300	-	-	-	-	-	-	-	-	7	22.700	
1.1.2) Graywing - NonOrganic <sup>(6)</sup>													
	5	17.750	10	52.430	9	47.340	12	62.640	-	-	38	187.160	
<i>Subtotal Recurring</i>													
		34.050		52.430		47.340		62.640		0.000		209.860	
<i>Total, 1U018/1U019 Paragon-Graywing</i>													
	10	34.050	10	52.430	9	47.340	12	62.640	-	-	45	209.860	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5	<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 1U018/1U019 Paragon-Graywing - 6

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Total, All Modifications</i>		34.050		52.430		47.340		62.640		0.000		209.860
<b>Support</b>												
2.1) Production Support	-	1.903	-	3.146	-	2.079	-	3.758	-	-	-	11.556
2.2) DSA	-	0.925	-	2.230	-	2.775	-	3.450	-	-	-	10.080
<i>Total Support Cost</i>		2.828		5.376		4.854		7.208		0.000		21.636
<i>Procurement Cost (Procurement + Support)</i>		36.878		57.806		52.194		69.848		0.000		231.496
<i>Total Installation Cost</i>		2.000		5.150		9.500		8.910		0.000		25.560
<b>Total Cost (Procurement + Support + Installation)</b>		38.878		62.956		61.694		78.758		0.000		257.056

**Remarks:**

- (5)- FY15 procurements reflect Paragon capabilities being integrated into Graywing baseline.
- Paragon/Graywing will be installed together in FY14-15 due to cost savings realized when installed concurrently.
- FY13 Paragon/Graywing contract award scheduled for March 2013 pending Q2 Acquisition Decision.
- (6)-First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

**Manufacturer Information: 1U018/1U019 Paragon-Graywing**

Manufacturer Name: Unknown					Manufacturer Location: Unknown		
Administrative Leadtime (in Months): 1					Production Leadtime (in Months): 12		
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Mar 2013				
Delivery Dates			Mar 2014				

**Installation: 1U018/1U019 Paragon-Graywing**      **Method of Implementation:** Ship      **Installation Name:** Graywing

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5		<b>P-1 Line Item Nomenclature:</b> 2360 - Shipboard IW Exploit
<b>Modification Nomenclature</b> (Modification Title, Modification Number): 1U018/1U019 Paragon-Graywing - 6		

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> System	<b>Related RDT&amp;E PEs:</b> 0304785N
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<b>Installation:</b> 1U018/1U019 Paragon-Graywing	<b>Method of Implementation:</b> Ship	<b>Installation Name:</b> Graywing
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	2	2.000	-	-	-	-	-	-	-	-	2	2.000
FY 2014	-	-	5	5.150	-	-	-	-	-	-	5	5.150
FY 2015	-	-	-	-	10	9.500	-	-	-	-	10	9.500
FY 2016	-	-	-	-	-	-	9	8.910	-	-	9	8.910
FY 2017	-	-	-	-	-	-	-	-	12	0.000	12	0.000
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	2.000	5	5.150	10	9.500	9	8.910	12	0.000	38	25.560

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	2	1	-	3	3	4	-	3	3	3	12	38
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	2	1	-	3	3	4	-	3	3	3	12	38

<b>Installation:</b> 1U018/1U019 Paragon-Graywing	<b>Method of Implementation:</b> Not Installed - Paragon	<b>Installation Quantity:</b> 7
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**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 5 : Reconnaissance Equipment

**P-1 Line Item Nomenclature:**  
 2361 - Automatic Identification System (AIS)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	1.292	1.364	0.914	-	0.914	0.902	0.880	0.844	0.868	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	1.292	1.364	0.914	-	0.914	0.902	0.880	0.844	0.868	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	1.292	1.364	0.914	-	0.914	0.902	0.880	0.844	0.868	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.044	-	0.004	-	0.004	0.005	0.001	-	-	0.000	0.054
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

1U030: Automatic Identification System (AIS) is an international maritime Very High Frequency (VHF) communication system that allows ships to exchange information (machine to machine) on navigation (position, course, speed, etc), ship information (ship name, call sign, length/beam), cargo information (draft, type, destination, route, estimated time of arrival), and messaging (safety, text). This technology improves capability in three diverse areas: (a) situational awareness/common operational picture, (b) navigation/safety of ship and, (c) other intelligence gathering/correlation. AIS will procure Commercial Off-The-Shelf (COTS) AIS gear and install them on Navy warships. This provides the fleet with an operating capability to send unclassified data to the Maritime Operations Center (MOC). AIS provides an integrated AIS capability on force level United States (US) surface warships and submarines, including interfaces with ship's Global Command and Control System-Maritime/Common Operational Picture, and combat systems as defined by fleet requirements and concept of operations. The program provides Maritime Domain Awareness (MDA) AIS Sensor Server equipment to the MOC for publishing AIS data to the MDA Data Sharing Community Of Interest. Funds will procure and install AIS systems for ships, submarines and shore sites consisting of a combination of modified COTS and government/commercial software, such as omni-directional VHF, Global Positioning System antennas, AIS transponders, displays and associated cables, servers, power supplies, laptop computers, junction boxes, switches and radio frequency couplers.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
1U030 Automatic Identification System (AIS) (See enclosed P-40A)	P40A, P5A				0.000			1.292			1.364			0.914			0.000			0.914
<b>Total Gross/Weapon System Cost</b>					-			<b>1.292</b>			<b>1.364</b>			<b>0.914</b>			-			<b>0.914</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

FY13 funding will support the procurement of (3) AIS submarine configuration systems.

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 5 : Reconnaissance Equipment		<b>P-1 Line Item Nomenclature:</b> 2361 - Automatic Identification System (AIS)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
AIS realigned from LI 2360 in FY11.		

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy												<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5						<b>P-1 Line Item Nomenclature:</b> 2361 - Automatic Identification System (AIS)						<b>Aggregated Item Name:</b> 1U030 Automatic Identification System (AIS)					

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) 1U030 Automatic Identification Systems (AIS)</b>																			
† 1.1) AIS procurement	A	-	-	-	60.000	4	0.240	62.000	4	0.248	64.000	3	0.192	-	-	-	64.000	3	0.192
1.2) Production Support	A	-	-	-	-	-	0.156	-	-	0.364	-	-	0.140	-	-	-	-	-	0.140
1.3) FMP	A	-	-	-	-	-	0.896	-	-	0.752	-	-	0.582	-	-	-	-	-	0.582
<i>Subtotal 1) 1U030 Automatic Identification Systems (AIS)</i>				<i>0.000</i>			<i>1.292</i>			<i>1.364</i>			<i>0.914</i>			<i>0.000</i>			<i>0.914</i>
<b>Total</b>				<b>0.000</b>			<b>1.292</b>			<b>1.364</b>			<b>0.914</b>			<b>0.000</b>			<b>0.914</b>

**Remarks:**

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<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2013 Navy										<b>Date:</b> February 2012		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 5				<b>P-1 Line Item Nomenclature:</b> 2361 - Automatic Identification System (AIS)					<b>Aggregated Item Name:</b> 1U030 Automatic Identification System (AIS)			
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty</b> <small>(Each)</small>	<b>Unit Cost</b> <small>(\$ K)</small>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
<b>1) 1U030 Automatic Identification Systems (AIS)</b>												
1.1) AIS procurement		2011	SRC / Atlanta, GA	C / FFP	SSC Atlantic	Feb 2011	Jul 2011	4	60.000	Y		
1.1) AIS procurement		2012	SRC / Atlanta, GA	C / FFP	SSC Atlantic	Nov 2011	Mar 2012	4	62.000	Y		
1.1) AIS procurement		2013	SRC / Atlanta, GA	C / FFP	SSC Atlantic	Nov 2012	Mar 2013	3	64.000	Y		
<b>Remarks:</b>												



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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 6 : Submarine Surveillance Equipment	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	730.211	69.728	89.241	34.050	-	34.050	51.397	54.504	63.422	73.539	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	730.211	69.728	89.241	34.050	-	34.050	51.397	54.504	63.422	73.539	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	730.211	69.728	89.241	34.050	-	34.050	51.397	54.504	63.422	73.539	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	3.876	1.367	0.621	-	0.621	2.607	3.280	3.434	2.814	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

(U) The Submarine Support Equipment Program (SSEP) was established to develop and support systems which provide the capability to exploit signal intercepts for tactical support and early warning of threat sensors. The Electronic Warfare Support (ES) Operational Requirements Document (ORD) Serial. No. 570-77-00 dated 20 Dec. 2000, established funding to procure AN/BLQ-10(V) Electronic Warfare Support and Improved Communication Acquisition/Direction Finding (ICADF) systems to provide a modern ES capability to LOS ANGELES, SEAWOLF, and SSGN Class submarines. Funds also procure modification kits for the AN/BLQ-10 (V) ES System, VIRGINIA Class Electronic Surveillance Measures (ESM) Modernization upgrades, Reliability & Maintainability, obsolescence and Operational Field Change Kits for the legacy AN/WLR-8(V)2 ESM system, and the legacy AN/BRD-7 direction finding system. Funds buy unique equipment in limited quantities that are maintained in a pool and rotated among attack submarines as dictated by scheduled operations and to provide specific capability improvements to major SSN sensor systems.

ML003 - SSEP special support equipment allows the procurement of special purpose test equipment utilized by the Type Commander Groom Teams. Exact quantities vary from year to year based on Fleet requirements.

ML005 - Procures Legacy Submarine Electronic Surveillance Measures (SubESM) AN/BRD-7 Reliability and Maintainability (R&M) obsolescence and operational Field Change Kits, e.g., Analog relay replacement, antenna cabling replacement, related Hull, Mechanical & Electrical (H,M&E) sail components and associated Integrated Logistics Support (ILS), and technical data.

ML007 - Procures the ICADF communications direction finding system below deck units for installation on LOS ANGELES, SSGN, and SEAWOLF Class submarines.

ML008 - Procures the ICADF Multi-Function Modular Mast (MMM) Antenna for installation on LOS ANGELES and SEAWOLF Class submarines.

ML009 - Procures Capability Insertions for installation on LOS ANGELES, SSGN, and SEAWOLF Class submarines that provide incremental improvements to the AN/BLQ-10 (V) baseline system for improved capability against new threats, to reduce size, procurement costs, power requirements and maintenance, while increasing system availability. Includes: Embedded National Tactical Receiver (ENTR)/Generic Area Limitation Environment (GALE) upgrade, Info Assurance (IA)/Solaris upgrade, Exterior Communication System (ECS) Point to Point upgrade, Low Probability of Intercept (LPI) Radar Receiver, and associated Integrated Logistics Support (ILS), and technical data.

ML010 - Procures Technical Insertions (TI) for installation on LOS ANGELES, SSGN, and SEAWOLF Class submarines that provide updates to the AN/BLQ-10 (V) configuration baseline which incorporates current Commercial off the Shelf (COTS) processing technology and software to account for obsolescence avoidance, and Reliability, Maintainability and Availability (RMA) and associated Integrated Logistics

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 6 : Submarine Surveillance Equipment	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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Support (ILS) and technical data. Hardware builds include supporting platform level Submarine Warfare Federated Tactical Systems (SWFTS) interfaces. TIs funded in FY 2012 and beyond procures TI upgrade kits under various configurations in each fiscal year including required Non-Recurring Engineering (NRE) for TI-12, TI-14, and TI-16.

ML011 -Procures Legacy Submarine Electronic Surveillance Measures (SubESM) including AN/WLR-8 Reliability and Maintainability (R&M) Field Change Kits and other materials for Obsolescence Mitigation, e.g., Digital Display Unit (DDU) obsolescence upgrade, Solid State Memory, Heat Dissipation improvement, related H,M&E sail components and associated Integrated Logistics Support (ILS), and technical data.

ML013 - Provides for AN/BLQ-10 intermediate level repairs, changes and maintenance activities that improve the overall Reliability, Maintainability and Availability of fielded Sub ESM systems. Procures maintenance and sustainment efforts for increasing the quantity of AN/BLQ-10 active, deploying fleet assets which will increase by over 60% from FY11 through FY13.

ML015 - Procures the AN/BLQ-10(V)2/3/4 ES System for installation on LOS ANGELES, SEAWOLF, and SSGN Class submarines.

ML017 - Procures AN/BLQ-10 (V) and ICADF subsystem Product Improvement Field Change Kits including: emergent Engineering Changes, SIGINT carry-on equipment racks, SWFTS upgrades and associated Integrated Logistics Support (ILS) and technical data.

ML018 - Beginning in FY10, funds procure ESM Modernization upgrades to the VIRGINIA Class AN/BLQ-10(V)1 ES System including Multi-function Modular Mast, Embedded National Tactical Receiver/Low Probability of Intercept (ENTR/LPI), Photonics ESM Product Improvement (PEPI-3), PATRIOT Phase B range finder, Advanced Processor Build/ Technical Insertions (APB/TI), and Radar Narrow Band (RNB) receiver.

ML019 - ESM Block III Spares are procured beginning in FY11 to provide Ready for Issue (RFI) shore based spares to maintain system operational availability.

ML830 - Production Engineering funds provide the following functions: value engineering; review and evaluation of production design data and documentation; production configuration control; maintenance engineering efforts designed and incorporated into the production manufacturing process, and other related engineering functions that are integral to all production ES Systems and upgrades.

ML5IN - Provides for the Installation of Equipment including Fleet Modernization Program Installations for shipboard systems.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Submarine Supt Equip Prog (See enclosed P-40A)	P40A, P5A				69.733			21.496			18.017			8.438			0.000			8.438
ML007 ICADF - 1	P3A		-	-	123.248	-	-	7.161	-	-	16.212	-	-	0.000	-	-	0.000	-	-	0.000
ML008 ICADF MMM ANTENNA - 2	P3A		-	-	67.500	-	-	3.004	-	-	10.819	-	-	7.100	-	-	0.000	-	-	7.100
ML009 CAPABILITY INSERTION - 3	P3A		-	-	4.266	-	-	1.450	-	-	1.996	-	-	0.000	-	-	0.000	-	-	0.000
ML010 TECHNICAL INSERTION - 4	P3A		-	-	2.100	-	-	8.312	-	-	16.759	-	-	4.369	-	-	0.000	-	-	4.369

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 6 : Submarine Surveillance Equipment

**P-1 Line Item Nomenclature:**  
 2560 - Submarine Supt Equip Prog

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
ML015 AN/BLQ-10(V) SSN ES SYSTEM - 5	P3A		-	-	446.354	-	-	4.295	-	-	8.840	-	-	4.060	-	-	0.000	-	-	4.060
ML018 VA CLASS ESM MODERNIZATION MMM - 6	P3A		-	-	0.000	-	-	9.305	-	-	3.091	-	-	2.840	-	-	0.000	-	-	2.840
ML018 VA CLASS ESM MODERNIZATION ENTR/LPI - 7	P3A		-	-	2.392	-	-	1.038	-	-	0.568	-	-	0.783	-	-	0.000	-	-	0.783
ML018 VA CLASS ESM MODERNIZATION PEPI-3 - 8	P3A		-	-	7.129	-	-	4.947	-	-	3.960	-	-	2.236	-	-	0.000	-	-	2.236
ML018 VA CLASS ESM MODERNIAZATION PATRIOT - 9	P3A		-	-	4.141	-	-	3.404	-	-	1.752	-	-	2.081	-	-	0.000	-	-	2.081
ML018 VA CLASS ESM MODERNIZATION CI-08 - 10	P3A		-	-	0.536	-	-	1.094	-	-	1.578	-	-	0.867	-	-	0.000	-	-	0.867
ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION - 11	P3A		-	-	1.114	-	-	0.758	-	-	1.702	-	-	0.649	-	-	0.000	-	-	0.649
ML018 VA CLASS ESM MODETRNRIZATION RNB - 12	P3A		-	-	1.698	-	-	3.464	-	-	3.947	-	-	0.627	-	-	0.000	-	-	0.627
<b>Total Gross/Weapon System Cost</b>					<b>730.211</b>			<b>69.728</b>			<b>89.241</b>			<b>34.050</b>			<b>-</b>			<b>34.050</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Submarine Supt Equip Prog (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
ML007 ICADF - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	146.621
ML008 ICADF MMM ANTENNA - 2	P3A		-	-	15.912	-	-	3.832	-	-	2.628	-	-	1.309	-	-	0.000	-	-	112.104
ML009 CAPABILITY INSERTION - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	7.712
ML010 TECHNICAL INSERTION - 4	P3A		-	-	9.571	-	-	17.185	-	-	27.857	-	-	29.619	-	-	3.210	-	-	118.982
ML015 AN/BLQ-10(V) SSN ES SYSTEM - 5	P3A		-	-	1.996	-	-	1.614	-	-	0.000	-	-	0.000	-	-	0.000	-	-	467.159
ML018 VA CLASS ESM MODERNIZATION MMM - 6	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	15.236

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 6 : Submarine Surveillance Equipment **P-1 Line Item Nomenclature:**  
 2560 - Submarine Supt Equip Prog

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
ML018 VA CLASS ESM MODERNIZATION ENTR/LPI - 7	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	4.781
ML018 VA CLASS ESM MODERNIZATION PEPI-3 - 8	P3A		-	-	9.942	-	-	4.166	-	-	2.383	-	-	1.186	-	-	0.000	-	-	35.949
ML018 VA CLASS ESM MODERNIAZATION PATRIOT - 9	P3A		-	-	1.971	-	-	1.927	-	-	1.864	-	-	0.333	-	-	0.333	-	-	17.806
ML018 VA CLASS ESM MODERNIZATION CI-08 - 10	P3A		-	-	0.237	-	-	1.169	-	-	0.917	-	-	0.160	-	-	0.000	-	-	6.558
ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION - 11	P3A		-	-	1.719	-	-	14.393	-	-	17.379	-	-	30.362	-	-	3.850	-	-	71.926
ML018 VA CLASS ESM MODETRNIZATION RNB - 12	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	9.736
<b>Total Gross/Weapon System Cost</b>					<b>51.397</b>			<b>54.504</b>			<b>63.422</b>			<b>73.539</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 6					P-1 Line Item Nomenclature: 2560 - Submarine Supt Equip Prog										Aggregated Item Name: Submarine Supt Equip Prog				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) ML003 SSEP SPECIAL SUPPORT EQUIPMENT</b>																			
1.1) SPECIAL SUPPORT EQUIPMENT	A	-	-	1.641	-	-	0.297	-	-	0.302	-	-	0.307	-	-	-	-	-	0.307
<i>Subtotal 1) ML003 SSEP SPECIAL SUPPORT EQUIPMENT</i>				1.641			0.297			0.302			0.307			0.000			0.307
<b>2) ML005 AN/BRD-7 FCKS</b>																			
2.1) AN/BRD-7 FIELD CHANGE KITS	A	-	-	1.664	-	-	0.228	-	-	0.232	-	-	0.236	-	-	-	-	-	0.236
<i>Subtotal 2) ML005 AN/BRD-7 FCKS</i>				1.664			0.228			0.232			0.236			0.000			0.236
<b>3) ML009 CAPABILITY INSERTION</b>																			
3.1) S/W ENGINEERING CHANGES	A	-	-	7.210	-	-	3.031	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) ML009 CAPABILITY INSERTION</i>				7.210			3.031			0.000			0.000			0.000			0.000
<b>4) ML011 AN/WLR-8 R&amp;M FIELD CHANGE KITS</b>																			
4.1) AN/WLR-8 R&M FCKS	A	-	-	3.368	-	-	0.651	-	-	0.750	-	-	0.500	-	-	-	-	-	0.500
<i>Subtotal 4) ML011 AN/WLR-8 R&amp;M FIELD CHANGE KITS</i>				3.368			0.651			0.750			0.500			0.000			0.500
<b>5) ML013 ESM IMA SUPPORT</b>																			
5.1) ESM IMA SUPPORT	A	-	-	1.118	-	-	0.201	-	-	0.929	-	-	0.945	-	-	-	-	-	0.945
<i>Subtotal 5) ML013 ESM IMA SUPPORT</i>				1.118			0.201			0.929			0.945			0.000			0.945
<b>6) ML017 ANBLQ-10(V) FIELD CHANGE KITS</b>																			
6.1) AN/BLQ-10(V) FCKS	A	-	-	49.040	-	-	13.369	-	-	10.670	-	-	3.535	-	-	-	-	-	3.535

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 6 **P-1 Line Item Nomenclature:** 2560 - Submarine Supt Equip Prog **Aggregated Item Name:** Submarine Supt Equip Prog

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal 6) ML017 ANBLQ-10(V) FIELD CHANGE KITS</i>				49.040			13.369			10.670			3.535			0.000			3.535
<b>7) ML019 ESM BLOCK III SPARES</b>																			
† 7.1) ESM BLOCK III SPARES	A	-	-	-	759,000.00	1	0.759	848,500.00	2	1.697	-	-	-	-	-	-	-	-	-
<i>Subtotal 7) ML019 ESM BLOCK III SPARES</i>				0.000			0.759			1.697			0.000			0.000			0.000
<b>8) ML830 PRODUCTION ENGINEERING</b>																			
8.1) PRODUCTION ENGINEERING	A	-	-	5.692	-	-	2.960	-	-	3.067	-	-	2.539	-	-	-	-	-	2.539
<i>Subtotal 8) ML830 PRODUCTION ENGINEERING</i>				5.692			2.960			3.067			2.539			0.000			2.539
<b>9) ML51N EW INSTALLATION</b>																			
9.1) NON-FMP	A	-	-	-	-	-	-	-	-	0.370	-	-	0.376	-	-	-	-	-	0.376
<i>Subtotal 9) ML51N EW INSTALLATION</i>				0.000			0.000			0.370			0.376			0.000			0.376
<b>Total</b>				<b>69.733</b>			<b>21.496</b>			<b>18.017</b>			<b>8.438</b>			<b>0.000</b>			<b>8.438</b>

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 6					P-1 Line Item Nomenclature: 2560 - Submarine Supt Equip Prog										Aggregated Item Name: Submarine Supt Equip Prog				
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) ML003 SSEP SPECIAL SUPPORT EQUIPMENT</b>																			
1.1) SPECIAL SUPPORT EQUIPMENT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) ML003 SSEP SPECIAL SUPPORT EQUIPMENT				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) ML005 AN/BRD-7 FCKS</b>																			
2.1) AN/BRD-7 FIELD CHANGE KITS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) ML005 AN/BRD-7 FCKS				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) ML009 CAPABILITY INSERTION</b>																			
3.1) S/W ENGINEERING CHANGES	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) ML009 CAPABILITY INSERTION				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) ML011 AN/WLR-8 R&amp;M FIELD CHANGE KITS</b>																			
4.1) AN/WLR-8 R&M FCKS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) ML011 AN/WLR-8 R&M FIELD CHANGE KITS				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) ML013 ESM IMA SUPPORT</b>																			
5.1) ESM IMA SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 5) ML013 ESM IMA SUPPORT				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) ML017 ANBLQ-10(V) FIELD CHANGE KITS</b>																			
6.1) AN/BLQ-10(V) FCKS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 6 **P-1 Line Item Nomenclature:** 2560 - Submarine Supt Equip Prog **Aggregated Item Name:** Submarine Supt Equip Prog

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 6) ML017 ANBLQ-10(V) FIELD CHANGE KITS				0.000			0.000			0.000			0.000			0.000			0.000
<b>7) ML019 ESM BLOCK III SPARES</b>																			
† 7.1) ESM BLOCK III SPARES	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 7) ML019 ESM BLOCK III SPARES				0.000			0.000			0.000			0.000			0.000			0.000
<b>8) ML830 PRODUCTION ENGINEERING</b>																			
8.1) PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 8) ML830 PRODUCTION ENGINEERING				0.000			0.000			0.000			0.000			0.000			0.000
<b>9) ML51N EW INSTALLATION</b>																			
9.1) NON-FMP	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 9) ML51N EW INSTALLATION				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**



**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Aggregated Item Name:</b> Submarine Supt Equip Prog
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>7) ML019 ESM BLOCK III SPARES</b>												
7.1) ESM BLOCK III SPARES		2011	Lockheed Martin / Syracuse, NY	SS / FP	NSMO	Apr 2011	Dec 2012	1	759,000.00	N		Oct 2010
7.1) ESM BLOCK III SPARES		2012	Lockheed Martin / Syracuse, NY	SS / FP	NSMO	Mar 2012	Nov 2013	2	848,500.00	N		Oct 2011

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML007 ICADF - 1

<b>Models of Systems Affected:</b> ICADF	<b>Type Modification:</b> SHIPALT (ES SYSTEM COMMS DF)	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	123.248	7.161	16.212	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	146.621
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	123.248	7.161	16.212	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	146.621
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>123.248</b>	<b>7.161</b>	<b>16.212</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>146.621</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides advanced low-band COMINT Direction Finding (DF) capability compatible with CLASSIC TROLL and AN/BLQ-10 SSN ES system. Replaces obsolete AN/BRD-7 below decks equipment with modern, open architecture system compliant with Maritime Cryptologic Architecture.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML007 ICADF - 1

<b>Models of Systems Affected:</b> ICADF	<b>Type Modification:</b> SHIPALT (ES SYSTEM COMMS DF)	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML007 ICADF												
B Kits												
Recurring												
1.1.1) ICADF - NonOrganic	27	91.249	-	-	-	-	-	-	-	-	-	-
1.1.2) NIOC TRANSFER EQUIPMENT - NonOrganic <sup>(1)</sup>	4	0.000	2	0.000	7	0.000	-	-	-	-	-	-
<i>Subtotal Recurring</i>		91.249		0.000		0.000		0.000		0.000		0.000
<i>Total, ML007 ICADF</i>	31	91.249	2	0.000	7	0.000	-	-	-	-	-	-
<i>Total, All Modifications</i>		91.249		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		91.249		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		31.999		7.161		16.212		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		123.248		7.161		16.212		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML007 ICADF												
B Kits												
Recurring												
1.1.1) ICADF - NonOrganic	-	-	-	-	-	-	-	-	-	-	27	91.249
1.1.2) NIOC TRANSFER EQUIPMENT - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	13	0.000
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		91.249
<i>Total, ML007 ICADF</i>	-	-	-	-	-	-	-	-	-	-	40	91.249
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		91.249
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		91.249
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		55.372
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		146.621

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
<b>Models of Systems Affected:</b> ICADF		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML007 ICADF - 1
<b>Type Modification:</b> SHIPALT (ES SYSTEM COMMS DF)		<b>Related RDT&amp;E PEs:</b>

**Remarks:**  
(1) Transfer Units, four (4) in prior years, two (2) in FY11 and seven (7) in FY12 are refurbished after receipt from NIOC prior to installation, no procurement cost associated.

<b>Manufacturer Information: ML007 ICADF</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Syracuse, NY			
Administrative Leadtime ( <i>in Months</i> ): 6				Production Leadtime ( <i>in Months</i> ): 20			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

<b>Installation:</b> ML007 ICADF			<b>Method of Implementation:</b> AIT (ES SYSTEM COMMS DF)				<b>Installation Name:</b> ICADF					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	20	26.666	3	4.297	4	5.895	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>20</b>	<b>26.666</b>	<b>3</b>	<b>4.297</b>	<b>4</b>	<b>5.895</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	27	36.858
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
<b>Models of Systems Affected:</b> ICADF		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML007 ICADF - 1
<b>Type Modification:</b> SHIPALT (ES SYSTEM COMMS DF)		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> ML007 ICADF	<b>Method of Implementation:</b> AIT (ES SYSTEM COMMS DF)	<b>Installation Name:</b> ICADF
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	27	36.858

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	20	1	-	2	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Out	20	1	-	2	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27

<b>Installation:</b> ML007 ICADF	<b>Method of Implementation:</b> AIT (ES SYSTEM COMMS DF)	<b>Installation Name:</b> NIOC TRANSFER EQUIPMENT
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	4	5.333	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	2	2.864	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	7	10.317	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	4	5.333	2	2.864	7	10.317	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML007 ICADF - 1
<b>Models of Systems Affected:</b> ICADF	<b>Type Modification:</b> SHIPALT (ES SYSTEM COMMS DF)	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> ML007 ICADF	<b>Method of Implementation:</b> AIT (ES SYSTEM COMMS DF)	<b>Installation Name:</b> NIOC TRANSFER EQUIPMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	4	5.333
FY 2011	-	-	-	-	-	-	-	-	-	-	2	2.864
FY 2012	-	-	-	-	-	-	-	-	-	-	7	10.317
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	13	18.514

Installation Schedule																																				
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot					
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4							
In	4	-	1	1	-	-	-	-	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Out	4	-	1	1	-	-	-	-	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6			<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML008 ICADF MMM ANTENNA - 2					
<b>Models of Systems Affected:</b> MULTI-FUNCTION MODULAR MAST			<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	67.500	3.004	10.819	7.100	0.000	7.100	15.912	3.832	2.628	1.309	0.000	112.104
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	67.500	3.004	10.819	7.100	0.000	7.100	15.912	3.832	2.628	1.309	0.000	112.104
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	67.500	3.004	10.819	7.100	0.000	7.100	15.912	3.832	2.628	1.309	0.000	112.104

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Synchronizes improved low-band direction finding SIGINT sensor with coordinated N77/CNSG CLASSIC TROLL procurement. Replaces obsolete AN/BRD-7 antenna equipment with modern, open-architecture system compliant with Maritime Cryptologic Architecture.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
<b>Models of Systems Affected:</b> MULTI-FUNCTION MODULAR MAST		<b>Type Modification:</b> SHIPALT
		<b>Related RDT&amp;E PEs:</b>
<b>Modification Nomenclature (Modification Title, Modification Number):</b> ML008 ICADF MMM ANTENNA - 2		

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML008 ICADF MMM ANTENNA												
B Kits												
Recurring												
1.1.1) MULTI-FUNCTION MODULAR MAST - NonOrganic	17	67.500	-	-	-	-	-	-	-	-	-	-
1.1.2) VA TRANSFER UNITS - NonOrganic <sup>(2)</sup>	1	0.000	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		67.500		0.000		0.000		0.000		0.000		0.000
<i>Total, ML008 ICADF MMM ANTENNA</i>	18	67.500	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		67.500		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		67.500		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		3.004		10.819		7.100		0.000		7.100
<b>Total Cost (Procurement + Support + Installation)</b>		67.500		3.004		10.819		7.100		0.000		7.100

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML008 ICADF MMM ANTENNA												
B Kits												
Recurring												
1.1.1) MULTI-FUNCTION MODULAR MAST - NonOrganic	2	7.536	1	3.832	-	-	-	-	-	-	20	78.868
1.1.2) VA TRANSFER UNITS - NonOrganic <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	1	0.000
<i>Subtotal Recurring</i>		7.536		3.832		0.000		0.000		0.000		78.868
<i>Total, ML008 ICADF MMM ANTENNA</i>	2	7.536	1	3.832	-	-	-	-	-	-	21	78.868
<i>Total, All Modifications</i>		7.536		3.832		0.000		0.000		0.000		78.868
<i>Procurement Cost (Procurement + Support)</i>		7.536		3.832		0.000		0.000		0.000		78.868
<i>Total Installation Cost</i>		8.376		0.000		2.628		1.309		0.000		33.236
<b>Total Cost (Procurement + Support + Installation)</b>		15.912		3.832		2.628		1.309		0.000		112.104



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML008 ICADF MMM ANTENNA - 2
<b>Models of Systems Affected:</b> MULTI-FUNCTION MODULAR MAST	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
<b>Remarks:</b> (2)One Prior Year VA Transfer Unit procured under BLI 0942 installed in FY11.		

<b>Manufacturer Information: ML008 ICADF MMM ANTENNA</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Syracuse, NY			
Administrative Leadtime ( <i>in Months</i> ): 6				Production Leadtime ( <i>in Months</i> ): 20			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates				Mar 2014	Mar 2015		
Delivery Dates				Nov 2015	Nov 2016		

<b>Installation:</b> ML008 ICADF MMM ANTENNA			<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> MULTI-FUNCTION MODULAR MAST					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	1	1.502	7	10.819	5	7.100	0	0.000	5	7.100
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	1	1.502	7	10.819	5	7.100	0	0.000	5	7.100

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	4	8.376	-	-	-	-	-	-	-	-	17	27.797
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
<b>Models of Systems Affected:</b> MULTI-FUNCTION MODULAR MAST		<b>Type Modification:</b> SHIPALT
<b>Related RDT&amp;E PEs:</b>		

<b>Installation:</b> ML008 ICADF MMM ANTENNA	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> MULTI-FUNCTION MODULAR MAST
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	2	2.628	-	-	-	-	2	2.628
FY 2015	-	-	-	-	-	-	1	1.309	-	-	1	1.309
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	4	8.376	-	-	2	2.628	1	1.309	-	-	20	31.734

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	1	1	2	2	2	-	2	2	1	3	1	-	-	-	-	-	2	-	-	-	1	-	-	-	-	20
Out	-	-	-	-	1	1	2	2	2	-	2	2	1	3	1	-	-	-	-	-	2	-	-	-	1	-	-	-	-	20

<b>Installation:</b> ML008 ICADF MMM ANTENNA	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TRANSFER UNITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	1	1.502	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	1	1.502	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
<b>Models of Systems Affected:</b> MULTI-FUNCTION MODULAR MAST		<b>Type Modification:</b> SHIPALT
<b>Related RDT&amp;E PEs:</b>		

<b>Installation:</b> ML008 ICADF MMM ANTENNA	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TRANSFER UNITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	1	1.502
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	1	1.502

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> ML009 CAPABILITY INSERTION - 3

<b>Models of Systems Affected:</b> CI-06	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.266	1.450	1.996	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.712
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4.266	1.450	1.996	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.712
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.266</b>	<b>1.450</b>	<b>1.996</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>7.712</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procures Capability Insertion CI-06 for installation on LOS ANGELES, SSGN and SEAWOLF Class submarines. Provides incremental improvements to the AN/BLQ-10 (V) baseline system for improved capability against new threats, to reduce size, procurement costs, power requirements and maintenance, while increasing system availability. Includes Embedded National Tactical Receiver (ENTR)/GALE, and Low Probability of Intercept (LPI) capabilities.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6					<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML009 CAPABILITY INSERTION - 3			
<b>Models of Systems Affected:</b> CI-06				<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>					
<b>Financial Plan</b>		<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
		<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>													
ML009 CAPABILITY INSERTION													
B Kits													
Recurring													
1.1.1) CI-06 - NonOrganic													
		6	4.266	2	1.450	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>			4.266		1.450		0.000		0.000		0.000		0.000
<i>Total, ML009 CAPABILITY INSERTION</i>		6	4.266	2	1.450	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>			4.266		1.450		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>			4.266		1.450		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>			0.000		0.000		1.996		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>			<b>4.266</b>		<b>1.450</b>		<b>1.996</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>
<b>Financial Plan</b>		<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
		<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>													
ML009 CAPABILITY INSERTION													
B Kits													
Recurring													
1.1.1) CI-06 - NonOrganic													
		-	-	-	-	-	-	-	-	-	-	8	5.716
<i>Subtotal Recurring</i>			0.000		0.000		0.000		0.000		0.000		5.716
<i>Total, ML009 CAPABILITY INSERTION</i>		-	-	-	-	-	-	-	-	-	-	8	5.716
<i>Total, All Modifications</i>			0.000		0.000		0.000		0.000		0.000		5.716
<i>Procurement Cost (Procurement + Support)</i>			0.000		0.000		0.000		0.000		0.000		5.716
<i>Total Installation Cost</i>			0.000		0.000		0.000		0.000		0.000		1.996
<b>Total Cost (Procurement + Support + Installation)</b>			<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>7.712</b>
<b>Remarks:</b>													
<b>Manufacturer Information: ML009 CAPABILITY INSERTION</b>													
Manufacturer Name: Lockheed Martin							Manufacturer Location: Syracuse, NY						

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML009 CAPABILITY INSERTION - 3

<b>Models of Systems Affected:</b> CI-06	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information:** ML009 CAPABILITY INSERTION

Administrative Leadtime (*in Months*): 6      Production Leadtime (*in Months*): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011						
Delivery Dates	Apr 2012						

**Installation:** ML009 CAPABILITY INSERTION      **Method of Implementation:** AIT      **Installation Name:** CI-06

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	6	1.497	-	-	-	-	-	-
FY 2011	-	-	-	-	2	0.499	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	8	1.996	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	6	1.497
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.499
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML009 CAPABILITY INSERTION - 3

<b>Models of Systems Affected:</b> CI-06	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML009 CAPABILITY INSERTION	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> CI-06
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	8	1.996

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		
Out	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6				<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML010 TECHNICAL INSERTION - 4				
<b>Models of Systems Affected:</b> TECHNICAL INSERTION			<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.100	8.312	16.759	4.369	0.000	4.369	9.571	17.185	27.857	29.619	3.210	118.982
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.100	8.312	16.759	4.369	0.000	4.369	9.571	17.185	27.857	29.619	3.210	118.982
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2.100</b>	<b>8.312</b>	<b>16.759</b>	<b>4.369</b>	<b>0.000</b>	<b>4.369</b>	<b>9.571</b>	<b>17.185</b>	<b>27.857</b>	<b>29.619</b>	<b>3.210</b>	<b>118.982</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

TI-10 Processor upgrade provides additional computing capability over previous TI baselines and replaces out of production systems for installation on LOS ANGELES, SSGN and SEAWOLF Class submarines. Provides updates to the AN/BLQ-10 (V) configuration baseline which incorporates current Commercial off the Shelf (COTS) processing technology and software to account for obsolescence avoidance, and Reliability, Maintainability and Availability (RMA) and associated Integrated Logistics Support (ILS) and technical data. Hardware builds include supporting platform level Submarine Warfare Federated Tactical Systems (SWFTS) interfaces.

Capability and Technical Insertion for AN/BLQ-10(V) provide spiral improvements to the baseline system which are designed to counter against new and evolving threat emitters. This effort is the transition of the current EW AN/BLQ-10 CI/TI modernization process to synchronize with SWFTS TI/APB process and model.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
<b>Models of Systems Affected:</b> TECHNICAL INSERTION		<b>Type Modification:</b> SHIPALT
		<b>Related RDT&amp;E PEs:</b>
<b>Modification Nomenclature</b> (Modification Title, Modification Number): ML010 TECHNICAL INSERTION - 4		

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML010 TECHNICAL INSERTION												
B Kits												
Recurring												
1.1.1) TI-10 - NonOrganic	6	2.100	2	0.716	-	-	-	-	-	-	-	-
1.1.2) TI/APB - NonOrganic	-	-	-	-	7	5.985	-	-	-	-	-	-
<i>Subtotal Recurring</i>		2.100		0.716		5.985		0.000		0.000		0.000
<i>Total, ML010 TECHNICAL INSERTION</i>	6	2.100	2	0.716	7	5.985	-	-	-	-	-	-
<i>Total, All Modifications</i>		2.100		0.716		5.985		0.000		0.000		0.000
<b>Support</b>												
2.1) TI/APB NRE	-	-	-	7.596	-	8.768	-	1.007	-	-	-	1.007
<i>Total Support Cost</i>		0.000		7.596		8.768		1.007		0.000		1.007
<i>Procurement Cost (Procurement + Support)</i>		2.100		8.312		14.753		1.007		0.000		1.007
<i>Total Installation Cost</i>		0.000		0.000		2.006		3.362		0.000		3.362
<b>Total Cost (Procurement + Support + Installation)</b>		2.100		8.312		16.759		4.369		0.000		4.369

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML010 TECHNICAL INSERTION												
B Kits												
Recurring												
1.1.1) TI-10 - NonOrganic	-	-	-	-	-	-	-	-	-	-	8	2.816
1.1.2) TI/APB - NonOrganic	3	6.354	4	10.496	5	20.513	5	21.327	-	-	24	64.675
<i>Subtotal Recurring</i>		6.354		10.496		20.513		21.327		0.000		67.491
<i>Total, ML010 TECHNICAL INSERTION</i>	3	6.354	4	10.496	5	20.513	5	21.327	-	-	32	67.491
<i>Total, All Modifications</i>		6.354		10.496		20.513		21.327		0.000		67.491
<b>Support</b>												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML010 TECHNICAL INSERTION - 4

<b>Models of Systems Affected:</b> TECHNICAL INSERTION	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2.1) TI/APB NRE	-	3.217	-	4.554	-	4.943	-	5.084	-	-	-	35.169
<i>Total Support Cost</i>		3.217		4.554		4.943		5.084		0.000		35.169
<i>Procurement Cost (Procurement + Support)</i>		9.571		15.050		25.456		26.411		0.000		102.660
<i>Total Installation Cost</i>		0.000		2.135		2.401		3.208		3.210		16.322
<b>Total Cost (Procurement + Support + Installation)</b>		<b>9.571</b>		<b>17.185</b>		<b>27.857</b>		<b>29.619</b>		<b>3.210</b>		<b>118.982</b>

**Remarks:**

**Manufacturer Information: ML010 TECHNICAL INSERTION**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Apr 2012		Mar 2014	Mar 2015	Mar 2016	Mar 2017
Delivery Dates	Apr 2012	Apr 2013		Mar 2015	Mar 2016	Mar 2017	Mar 2018

**Installation: ML010 TECHNICAL INSERTION**

**Method of Implementation: AIT**

**Installation Name: TI-10**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	6	1.505	-	-	-	-	-	-
FY 2011	-	-	-	-	2	0.501	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	8	2.006	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
<b>Models of Systems Affected:</b> TECHNICAL INSERTION		<b>Modification Nomenclature (Modification Title, Modification Number):</b> ML010 TECHNICAL INSERTION - 4
<b>Type Modification:</b> SHIPALT		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> ML010 TECHNICAL INSERTION				<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> TI-10				
Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	6	1.505
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.501
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	8	2.006

Installation Schedule																																			
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot					
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4							
In	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

<b>Installation:</b> ML010 TECHNICAL INSERTION				<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> TI/APB											
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total								
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)							
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-							
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-							
FY 2012	-	-	-	-	-	-	7	3.362	0	0.000	7	3.362							
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-							
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-							
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-							
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-							

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML010 TECHNICAL INSERTION - 4
<b>Models of Systems Affected:</b> TECHNICAL INSERTION	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> ML010 TECHNICAL INSERTION	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> TI/APB
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	7	3.362	0	0.000	7	3.362

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	7	3.362
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	3	2.135	-	-	-	-	-	-	3	2.135
FY 2015	-	-	-	-	4	2.401	-	-	-	-	4	2.401
FY 2016	-	-	-	-	-	-	5	3.208	-	-	5	3.208
FY 2017	-	-	-	-	-	-	-	-	5	3.210	5	3.210
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	3	2.135	4	2.401	5	3.208	5	3.210	24	14.316

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	4	3	-	-	-	-	-	1	2	-	-	2	2	-	-	1	3	1	5	24
Out	-	-	-	-	-	-	-	-	-	-	-	4	3	-	-	-	-	-	1	2	-	-	2	2	-	-	1	3	1	5	24

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> ML015 AN/BLQ-10(V) SSN ES SYSTEM - 5

**Models of Systems Affected:** AN/BLQ-10(V)2/3/4      **Type Modification:** SHIPALT      **Related RDT&E PEs:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	446.354	4.295	8.840	4.060	0.000	4.060	1.996	1.614	0.000	0.000	0.000	467.159
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	446.354	4.295	8.840	4.060	0.000	4.060	1.996	1.614	0.000	0.000	0.000	467.159
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>446.354</b>	<b>4.295</b>	<b>8.840</b>	<b>4.060</b>	<b>0.000</b>	<b>4.060</b>	<b>1.996</b>	<b>1.614</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>467.159</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides fully Integrated, covert, forward area radar signal intercept and ID capability for installation on LOS ANGELES, SEAWOLF and SSGN Class Submarines.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML015 AN/BLQ-10(V) SSN ES SYSTEM - 5

<b>Models of Systems Affected:</b> AN/BLQ-10(V)2/3/4	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
ML015 AN/BLQ-10(V) SSN ES SYSTEM												
B Kits												
Recurring												
1.1.1) AN/BLQ-10(V) SSN ES SYSTEM - NonOrganic	45	272.004	-	-	-	-	-	-	-	-	-	-
1.1.2) AN/BLQ-10(V) SSN ES SYSTEM CCM - Organic	1	8.750	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		280.754		0.000		0.000		0.000		0.000		0.000
<i>Total, ML015 AN/BLQ-10(V) SSN ES SYSTEM</i>	46	280.754	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		280.754		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		280.754		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		165.600		4.295		8.840		4.060		0.000		4.060
<b>Total Cost (Procurement + Support + Installation)</b>		446.354		4.295		8.840		4.060		0.000		4.060

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
ML015 AN/BLQ-10(V) SSN ES SYSTEM												
B Kits												
Recurring												
1.1.1) AN/BLQ-10(V) SSN ES SYSTEM - NonOrganic	-	-	-	-	-	-	-	-	-	-	45	272.004
1.1.2) AN/BLQ-10(V) SSN ES SYSTEM CCM - Organic	-	-	-	-	-	-	-	-	-	-	1	8.750
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		280.754
<i>Total, ML015 AN/BLQ-10(V) SSN ES SYSTEM</i>	-	-	-	-	-	-	-	-	-	-	46	280.754
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		280.754
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		280.754
<i>Total Installation Cost</i>		1.996		1.614		0.000		0.000		0.000		186.405
<b>Total Cost (Procurement + Support + Installation)</b>		1.996		1.614		0.000		0.000		0.000		467.159

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML015 AN/BLQ-10(V) SSN ES SYSTEM - 5

<b>Models of Systems Affected:</b> AN/BLQ-10(V)2/3/4	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**

**Manufacturer Information:** ML015 AN/BLQ-10(V) SSN ES SYSTEM

Manufacturer Name: New MFG - Name	Manufacturer Location: New MFG - Loc
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Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 26
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

<b>Installation:</b> ML015 AN/BLQ-10(V) SSN ES SYSTEM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> AN/BLQ-10(V) SSN ES SYSTEM
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	31	165.600	3	4.295	6	8.840	3	4.060	0	0.000	3	4.060
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>31</b>	<b>165.600</b>	<b>3</b>	<b>4.295</b>	<b>6</b>	<b>8.840</b>	<b>3</b>	<b>4.060</b>	<b>0</b>	<b>0.000</b>	<b>3</b>	<b>4.060</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	1.996	1	1.614	-	-	-	-	-	-	45	186.405
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML015 AN/BLQ-10(V) SSN ES SYSTEM - 5

<b>Models of Systems Affected:</b> AN/BLQ-10(V)2/3/4	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML015 AN/BLQ-10(V) SSN ES SYSTEM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> AN/BLQ-10(V) SSN ES SYSTEM
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	1.996	1	1.614	-	-	-	-	-	-	45	186.405

Installation Schedule																																			
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	31	-	2	-	1	-	1	1	4	1	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
Out	31	-	2	-	1	-	1	1	4	1	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45

<b>Installation:</b> ML015 AN/BLQ-10(V) SSN ES SYSTEM	<b>Method of Implementation:</b> Not Installed - AN/BLQ-10(V) SSN ES SYSTEM CCM	<b>Installation Quantity:</b> 1
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**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> ML018 VA CLASS ESM MODERNIZATION MMM - 6

<b>Models of Systems Affected:</b> VA MMM	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	9.305	3.091	2.840	0.000	2.840	0.000	0.000	0.000	0.000	0.000	15.236
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	9.305	3.091	2.840	0.000	2.840	0.000	0.000	0.000	0.000	0.000	15.236
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>9.305</b>	<b>3.091</b>	<b>2.840</b>	<b>0.000</b>	<b>2.840</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>15.236</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procures ESM Modernization upgrade of Multi-function Modular Mast (MMM) to the VIRGINIA CLASS AN/BLQ-10(V)1 EW System.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION MMM - 6

<b>Models of Systems Affected:</b> VA MMM	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION MMM												
B Kits												
Recurring												
1.1.1) VA MMM - NonOrganic	-	-	2	9.305	-	-	-	-	-	-	-	-
1.1.2) VA TRANSFER UNITS MMM - NonOrganic <sup>(3)</sup>	2	0.000	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		9.305		0.000		0.000		0.000		0.000
<i>Total, ML018 VA CLASS ESM MODERNIZATION MMM</i>	2	0.000	2	9.305	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		9.305		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		9.305		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		3.091		2.840		0.000		2.840
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		9.305		3.091		2.840		0.000		2.840

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION MMM												
B Kits												
Recurring												
1.1.1) VA MMM - NonOrganic	-	-	-	-	-	-	-	-	-	-	2	9.305
1.1.2) VA TRANSFER UNITS MMM - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	-	-	-	-	2	0.000
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		9.305
<i>Total, ML018 VA CLASS ESM MODERNIZATION MMM</i>	-	-	-	-	-	-	-	-	-	-	4	9.305
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		9.305
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		9.305
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		5.931
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		15.236

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION MMM - 6

<b>Models of Systems Affected:</b> VA MMM	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**  
(3)Two (2) Prior Year VA Transfer Unit procured under BLI 0942 installed in FY12.

**Manufacturer Information: ML018 VA CLASS ESM MODERNIZATION MMM**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 20

<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Apr 2011						
Delivery Dates	Dec 2012						

<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION MMM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA MMM
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	2	2.840	0	0.000	2	2.840
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	2	2.840	0	0.000	2	2.840

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	2	2.840
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION MMM - 6

<b>Models of Systems Affected:</b> VA MMM	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION MMM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA MMM
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	2	2.840

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION MMM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TRANSFER UNITS MMM
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	2	3.091	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	2	3.091	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION MMM - 6

<b>Models of Systems Affected:</b> VA MMM	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION MMM	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TRANSFER UNITS MMM
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	2	3.091
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	2	3.091

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION ENTR/LPI - 7

<b>Models of Systems Affected:</b> VA ENTR/LPI	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.392	1.038	0.568	0.783	0.000	0.783	0.000	0.000	0.000	0.000	0.000	4.781
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.392	1.038	0.568	0.783	0.000	0.783	0.000	0.000	0.000	0.000	0.000	4.781
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2.392</b>	<b>1.038</b>	<b>0.568</b>	<b>0.783</b>	<b>0.000</b>	<b>0.783</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>4.781</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procures ESM Modernization upgrades of Embedded National Tactical Receiver (ENTR) and Low Probability of Intercept (LPI) capabilities to the VIRGINIA CLASS AN/BLQ-10(V)1 EW System.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION ENTR/LPI - 7

<b>Models of Systems Affected:</b> VA ENTR/LPI	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION ENTR/LPI												
B Kits												
Recurring												
1.1.1) VA ENTR/LPI - NonOrganic	3	2.092	-	-	-	-	-	-	-	-	-	-
1.1.2) VA TRANSFER UNITS ENTR/LPI - NonOrganic <sup>(4)</sup>	7	0.000	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		2.092		0.000		0.000		0.000		0.000		0.000
<i>Total, ML018 VA CLASS ESM MODERNIZATION ENTR/LPI</i>	10	2.092	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		2.092		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		2.092		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.300		1.038		0.568		0.783		0.000		0.783
<b>Total Cost (Procurement + Support + Installation)</b>		2.392		1.038		0.568		0.783		0.000		0.783

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION ENTR/LPI												
B Kits												
Recurring												
1.1.1) VA ENTR/LPI - NonOrganic	-	-	-	-	-	-	-	-	-	-	3	2.092
1.1.2) VA TRANSFER UNITS ENTR/LPI - NonOrganic <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	7	0.000
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		2.092
<i>Total, ML018 VA CLASS ESM MODERNIZATION ENTR/LPI</i>	-	-	-	-	-	-	-	-	-	-	10	2.092
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		2.092
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		2.092
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		2.689
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		4.781

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION ENTR/LPI - 7

<b>Models of Systems Affected:</b> VA ENTR/LPI	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**  
(4)Seven (7) prior year VA Transfer Unit procured under BLI 0942 installed in prior years, FY11 and FY12.

**Manufacturer Information: ML018 VA CLASS ESM MODERNIZATION ENTR/LPI**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 20

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION ENTR/LPI	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA ENTR/LPI
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	3	0.783	0	0.000	3	0.783
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	3	0.783	0	0.000	3	0.783

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	3	0.783
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
		<b>Modification Nomenclature</b> (Modification Title, Modification Number): ML018 VA CLASS ESM MODERNIZATION ENTR/LPI - 7

<b>Models of Systems Affected:</b> VA ENTR/LPI	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION ENTR/LPI	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA ENTR/LPI
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	3	0.783

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION ENTR/LPI	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TRANSFER UNITS ENTR/LPI
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	0.300	4	1.038	2	0.568	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	0.300	4	1.038	2	0.568	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION ENTR/LPI - 7

<b>Models of Systems Affected:</b> VA ENTR/LPI	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION ENTR/LPI	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TRANSFER UNITS ENTR/LPI
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	7	1.906
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	7	1.906

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	1	-	1	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Out	1	-	1	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION PEPI-3 - 8

<b>Models of Systems Affected:</b> VA PEPI-3	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.129	4.947	3.960	2.236	0.000	2.236	9.942	4.166	2.383	1.186	0.000	35.949
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	7.129	4.947	3.960	2.236	0.000	2.236	9.942	4.166	2.383	1.186	0.000	35.949
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>7.129</b>	<b>4.947</b>	<b>3.960</b>	<b>2.236</b>	<b>0.000</b>	<b>2.236</b>	<b>9.942</b>	<b>4.166</b>	<b>2.383</b>	<b>1.186</b>	<b>0.000</b>	<b>35.949</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procures ESM Modernization upgrade of Photonics ESM Product Improvement (PEPI-3) capabilities to the VIRGINIA CLASS AN/BLQ-10(V)1 EW System.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION PEPI-3 - 8

<b>Models of Systems Affected:</b> VA PEPI-3	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION PEPI-3												
B Kits												
Recurring												
1.1.1) VA PEPI-3 - NonOrganic	1	3.829	1	3.898	1	3.960	-	-	-	-	-	-
1.1.2) VA TRANSFER UNITS PEPI-3 - NonOrganic <sup>(5)</sup>	4	0.000	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		3.829		3.898		3.960		0.000		0.000		0.000
<i>Total, ML018 VA CLASS ESM MODERNIZATION PEPI-3</i>	5	3.829	1	3.898	1	3.960	-	-	-	-	-	-
<i>Total, All Modifications</i>		3.829		3.898		3.960		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		3.829		3.898		3.960		0.000		0.000		0.000
<i>Total Installation Cost</i>		3.300		1.049		0.000		2.236		0.000		2.236
<b>Total Cost (Procurement + Support + Installation)</b>		7.129		4.947		3.960		2.236		0.000		2.236

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION PEPI-3												
B Kits												
Recurring												
1.1.1) VA PEPI-3 - NonOrganic	2	8.192	1	4.166	-	-	-	-	-	-	6	24.045
1.1.2) VA TRANSFER UNITS PEPI-3 - NonOrganic <sup>(5)</sup>	-	-	-	-	-	-	-	-	-	-	4	0.000
<i>Subtotal Recurring</i>		8.192		4.166		0.000		0.000		0.000		24.045
<i>Total, ML018 VA CLASS ESM MODERNIZATION PEPI-3</i>	2	8.192	1	4.166	-	-	-	-	-	-	10	24.045
<i>Total, All Modifications</i>		8.192		4.166		0.000		0.000		0.000		24.045
<i>Procurement Cost (Procurement + Support)</i>		8.192		4.166		0.000		0.000		0.000		24.045
<i>Total Installation Cost</i>		1.750		0.000		2.383		1.186		0.000		11.904
<b>Total Cost (Procurement + Support + Installation)</b>		9.942		4.166		2.383		1.186		0.000		35.949

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION PEPI-3 - 8

<b>Models of Systems Affected:</b> VA PEPI-3	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Remarks:**  
(5)Four (4) prior year VA Transfer Unit procured under BLI 0942 installed in prior years and FY11.

**Manufacturer Information: ML018 VA CLASS ESM MODERNIZATION PEPI-3**

Manufacturer Name: Lockheed Martin      Manufacturer Location: Syracuse, NY

Administrative Leadtime (*in Months*): 6      Production Leadtime (*in Months*): 20

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Apr 2012		Mar 2014	Mar 2015		
Delivery Dates	Dec 2012	Dec 2013		Nov 2015	Nov 2016		

**Installation:** ML018 VA CLASS ESM MODERNIZATION PEPI-3      **Method of Implementation:** AIT      **Installation Name:** VA PEPI-3

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	1	1.118	0	0.000	1	1.118
FY 2011	-	-	-	-	-	-	1	1.118	0	0.000	1	1.118
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	2	2.236	0	0.000	2	2.236

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	1	1.118
FY 2011	-	-	-	-	-	-	-	-	-	-	1	1.118
FY 2012	1	1.750	-	-	-	-	-	-	-	-	1	1.750
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6		<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION PEPI-3 - 8

<b>Models of Systems Affected:</b> VA PEPI-3	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION PEPI-3	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA PEPI-3
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	2	2.383	-	-	-	-	2	2.383
FY 2015	-	-	-	-	-	-	1	1.186	-	-	1	1.186
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	1.750	-	-	2	2.383	1	1.186	-	-	6	7.555

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	6
Out	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	6

<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION PEPI-3	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TRANSFER UNITS PEPI-3
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	3	3.300	1	1.049	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	3	3.300	1	1.049	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION PEPI-3 - 8

<b>Models of Systems Affected:</b> VA PEPI-3	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION PEPI-3	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TRANSFER UNITS PEPI-3
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	4	4.349
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	4	4.349

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> ML018 VA CLASS ESM MODERNIAZATION PATRIOT - 9

<b>Models of Systems Affected:</b> VA PATRIOT	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.141	3.404	1.752	2.081	0.000	2.081	1.971	1.927	1.864	0.333	0.333	17.806
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4.141	3.404	1.752	2.081	0.000	2.081	1.971	1.927	1.864	0.333	0.333	17.806
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.141</b>	<b>3.404</b>	<b>1.752</b>	<b>2.081</b>	<b>0.000</b>	<b>2.081</b>	<b>1.971</b>	<b>1.927</b>	<b>1.864</b>	<b>0.333</b>	<b>0.333</b>	<b>17.806</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procures Electronic Warfare Support (ES) Modernization upgrade of PATRIOT Phase B RADAR range finder for incorporation into the VIRGINIA CLASS Photonics Mast.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6					<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIAZATION PATRIOT - 9			
<b>Models of Systems Affected:</b> VA PATRIOT				<b>Type Modification:</b> SHIPALT				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
ML018 VA CLASS ESM MODERNIAZATION PATRIOT													
B Kits													
Recurring													
1.1.1) VA PATRIOT - NonOrganic <sup>(6)</sup>	3	4.141	2	2.814	1	1.430	1	1.454	-	-	1	1.454	
<i>Subtotal Recurring</i>		4.141		2.814		1.430		1.454		0.000		1.454	
<i>Total, ML018 VA CLASS ESM MODERNIAZATION PATRIOT</i>	3	4.141	2	2.814	1	1.430	1	1.454	-	-	1	1.454	
<i>Total, All Modifications</i>		4.141		2.814		1.430		1.454		0.000		1.454	
<i>Procurement Cost (Procurement + Support)</i>		4.141		2.814		1.430		1.454		0.000		1.454	
<i>Total Installation Cost</i>		0.000		0.590		0.322		0.627		0.000		0.627	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>4.141</b>		<b>3.404</b>		<b>1.752</b>		<b>2.081</b>		<b>0.000</b>		<b>2.081</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
ML018 VA CLASS ESM MODERNIAZATION PATRIOT													
B Kits													
Recurring													
1.1.1) VA PATRIOT - NonOrganic <sup>(6)</sup>	1	1.479	1	1.504	1	1.529	-	-	-	-	10	14.351	
<i>Subtotal Recurring</i>		1.479		1.504		1.529		0.000		0.000		14.351	
<i>Total, ML018 VA CLASS ESM MODERNIAZATION PATRIOT</i>	1	1.479	1	1.504	1	1.529	-	-	-	-	10	14.351	
<i>Total, All Modifications</i>		1.479		1.504		1.529		0.000		0.000		14.351	
<i>Procurement Cost (Procurement + Support)</i>		1.479		1.504		1.529		0.000		0.000		14.351	
<i>Total Installation Cost</i>		0.492		0.423		0.335		0.333		0.333		3.455	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>1.971</b>		<b>1.927</b>		<b>1.864</b>		<b>0.333</b>		<b>0.333</b>		<b>17.806</b>	
<b>Remarks:</b>													

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIAZATION PATRIOT - 9

<b>Models of Systems Affected:</b> VA PATRIOT	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<sup>(6)</sup>6 month lead time for EDMs to be converted to LRIP units, FY11 delivery. The third unit lead time is 19 months.

**Manufacturer Information: ML018 VA CLASS ESM MODERNIAZATION PATRIOT**

Manufacturer Name: Various	Manufacturer Location: Various
Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 19

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Mar 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	
Delivery Dates	Nov 2012	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	

<b>Installation:</b> ML018 VA CLASS ESM MODERNIAZATION PATRIOT	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA PATRIOT
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	2	0.590	1	0.322	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	2	0.627	0	0.000	2	0.627
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	2	0.590	1	0.322	2	0.627	0	0.000	2	0.627

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	3	0.912
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.627
FY 2012	1	0.492	-	-	-	-	-	-	-	-	1	0.492
FY 2013	-	-	1	0.423	-	-	-	-	-	-	1	0.423
FY 2014	-	-	-	-	1	0.335	-	-	-	-	1	0.335

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIAZATION PATRIOT - 9

<b>Models of Systems Affected:</b> VA PATRIOT	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIAZATION PATRIOT	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA PATRIOT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	1	0.333	-	-	1	0.333
FY 2016	-	-	-	-	-	-	-	-	1	0.333	1	0.333
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	0.492	1	0.423	1	0.335	1	0.333	1	0.333	10	3.455

Installation Schedule																																			
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	-	1	1	-	-	-	1	-	-	1	1	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	10
Out	-	1	1	-	-	-	1	-	-	1	1	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	10

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION CI-08 - 10

<b>Models of Systems Affected:</b> VA CI-08	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.536	1.094	1.578	0.867	0.000	0.867	0.237	1.169	0.917	0.160	0.000	6.558
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.536	1.094	1.578	0.867	0.000	0.867	0.237	1.169	0.917	0.160	0.000	6.558
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.536</b>	<b>1.094</b>	<b>1.578</b>	<b>0.867</b>	<b>0.000</b>	<b>0.867</b>	<b>0.237</b>	<b>1.169</b>	<b>0.917</b>	<b>0.160</b>	<b>0.000</b>	<b>6.558</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procures Capability Insertion CI-08 for installation on VIRGINIA Class submarines.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION CI-08 - 10

<b>Models of Systems Affected:</b> VA CI-08	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION CI-08												
B Kits												
Recurring												
1.1.1) VA CI-08 - NonOrganic	1	0.536	2	1.094	2	1.112	1	0.565	-	-	1	0.565
<i>Subtotal Recurring</i>		0.536		1.094		1.112		0.565		0.000		0.565
<i>Total, ML018 VA CLASS ESM MODERNIZATION CI-08</i>	1	0.536	2	1.094	2	1.112	1	0.565	-	-	1	0.565
<i>Total, All Modifications</i>		0.536		1.094		1.112		0.565		0.000		0.565
<i>Procurement Cost (Procurement + Support)</i>		0.536		1.094		1.112		0.565		0.000		0.565
<i>Total Installation Cost</i>		0.000		0.000		0.466		0.302		0.000		0.302
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.536</b>		<b>1.094</b>		<b>1.578</b>		<b>0.867</b>		<b>0.000</b>		<b>0.867</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION CI-08												
B Kits												
Recurring												
1.1.1) VA CI-08 - NonOrganic	-	-	2	1.169	1	0.595	-	-	-	-	9	5.071
<i>Subtotal Recurring</i>		0.000		1.169		0.595		0.000		0.000		5.071
<i>Total, ML018 VA CLASS ESM MODERNIZATION CI-08</i>	-	-	2	1.169	1	0.595	-	-	-	-	9	5.071
<i>Total, All Modifications</i>		0.000		1.169		0.595		0.000		0.000		5.071
<i>Procurement Cost (Procurement + Support)</i>		0.000		1.169		0.595		0.000		0.000		5.071
<i>Total Installation Cost</i>		0.237		0.000		0.322		0.160		0.000		1.487
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.237</b>		<b>1.169</b>		<b>0.917</b>		<b>0.160</b>		<b>0.000</b>		<b>6.558</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION CI-08 - 10

<b>Models of Systems Affected:</b> VA CI-08	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Manufacturer Information:</b> ML018 VA CLASS ESM MODERNIZATION CI-08	
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Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Apr 2012	Mar 2013		Mar 2015	Mar 2016	
Delivery Dates	Apr 2012	Apr 2013	Mar 2014		Mar 2016	Mar 2017	

<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION CI-08	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA CI-08
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	1	0.155	-	-	-	-	-	-
FY 2011	-	-	-	-	2	0.311	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	0.302	0	0.000	2	0.302
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	3	0.466	2	0.302	0	0.000	2	0.302

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	1	0.155
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.311
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.302
FY 2013	1	0.237	-	-	-	-	-	-	-	-	1	0.237
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	2	0.322	-	-	-	-	2	0.322

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION CI-08 - 10

<b>Models of Systems Affected:</b> VA CI-08	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION CI-08	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA CI-08
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	1	0.160	-	-	1	0.160
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	0.237	-	-	2	0.322	1	0.160	-	-	9	1.487

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	2	1	-	-	2	-	-	1	-	-	-	-	-	-	1	1	-	-	1	-	-	-	9	
Out	-	-	-	-	-	-	-	2	1	-	-	2	-	-	1	-	-	-	-	-	-	1	1	-	-	1	-	-	-	9	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION - 11

<b>Models of Systems Affected:</b> VA TI-10	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.114	0.758	1.702	0.649	0.000	0.649	1.719	14.393	17.379	30.362	3.850	71.926
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.114	0.758	1.702	0.649	0.000	0.649	1.719	14.393	17.379	30.362	3.850	71.926
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.114</b>	<b>0.758</b>	<b>1.702</b>	<b>0.649</b>	<b>0.000</b>	<b>0.649</b>	<b>1.719</b>	<b>14.393</b>	<b>17.379</b>	<b>30.362</b>	<b>3.850</b>	<b>71.926</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

TI-10 Radar Narrow Band (RNB) replaces maintenance prone original equipment for installation on VIRGINIA Class submarines. Provides updates to the AN/BLQ-10 (V) configuration baseline which incorporates current Commercial off the Shelf (COTS) processing technology and software for obsolescence avoidance, and improved Reliability, Maintainability and Availability (RMA).

Capability and Technical Insertions for AN/BLQ-10(V) provide spiral improvements to the baseline system which are designed to counter against new and evolving threat emitters. This effort specifically provides for ANBLQ-10(V) upgrades and technical H/W and S/W changes that will provide commonality in processors, receivers, interoperability improvements and functional software upgrades to meet current and future tactical requirements.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION - 11

<b>Models of Systems Affected:</b> VA TI-10	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION												
B Kits												
Recurring												
1.1.1) VA TI-10 - NonOrganic	3	1.114	2	0.758	1	0.385	1	0.392	-	-	1	0.392
1.1.2) VA TI/APB - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		1.114		0.758		0.385		0.392		0.000		0.392
<i>Total, ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION</i>	3	1.114	2	0.758	1	0.385	1	0.392	-	-	1	0.392
<i>Total, All Modifications</i>		1.114		0.758		0.385		0.392		0.000		0.392
<b>Support</b>												
2.1) VA TI/APB NRE	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		1.114		0.758		0.385		0.392		0.000		0.392
<i>Total Installation Cost</i>		0.000		0.000		1.317		0.257		0.000		0.257
<b>Total Cost (Procurement + Support + Installation)</b>		1.114		0.758		1.702		0.649		0.000		0.649

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION												
B Kits												
Recurring												
1.1.1) VA TI-10 - NonOrganic	1	0.398	1	0.405	1	0.412	-	-	-	-	10	3.864
1.1.2) VA TI/APB - NonOrganic	-	-	3	11.250	3	11.441	6	24.790	-	-	12	47.481
<i>Subtotal Recurring</i>		0.398		11.655		11.853		24.790		0.000		51.345

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION - 11

<b>Models of Systems Affected:</b> VA TI-10	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>										
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Total, ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION</i>	1	0.398	4	11.655	4	11.853	6	24.790	-	-	22	51.345
<i>Total, All Modifications</i>		0.398		11.655		11.853		24.790		0.000		51.345
<b>Support</b>												
2.1) VA TI/APB NRE	-	0.919	-	2.392	-	3.318	-	3.374	-	-	-	10.003
<i>Total Support Cost</i>		0.919		2.392		3.318		3.374		0.000		10.003
<i>Procurement Cost (Procurement + Support)</i>		1.317		14.047		15.171		28.164		0.000		61.348
<i>Total Installation Cost</i>		0.402		0.346		2.208		2.198		3.850		10.578
<b>Total Cost (Procurement + Support + Installation)</b>		<b>1.719</b>		<b>14.393</b>		<b>17.379</b>		<b>30.362</b>		<b>3.850</b>		<b>71.926</b>

**Remarks:**

<b>Manufacturer Information: ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION</b>							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Syracuse, NY			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 16			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Apr 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017
Delivery Dates	Aug 2012	Aug 2013	Jul 2014	Jul 2015	Jul 2016	Jul 2017	Mar 2018

<b>Installation: ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION</b>			<b>Method of Implementation: AIT</b>				<b>Installation Name: VA TI-10</b>					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	3	0.790	-	-	-	-	-	-
FY 2011	-	-	-	-	2	0.527	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	1	0.257	0	0.000	1	0.257
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION - 11

<b>Models of Systems Affected:</b> VA TI-10	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TI-10
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	5	1.317	1	0.257	0	0.000	1	0.257

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	3	0.790
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.527
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.257
FY 2013	1	0.402	-	-	-	-	-	-	-	-	1	0.402
FY 2014	-	-	1	0.346	-	-	-	-	-	-	1	0.346
FY 2015	-	-	-	-	1	0.274	-	-	-	-	1	0.274
FY 2016	-	-	-	-	-	-	1	0.273	-	-	1	0.273
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	0.402	1	0.346	1	0.274	1	0.273	-	-	10	2.869

<b>Installation Schedule</b>																																			
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4										
In	-	-	-	-	-	-	-	-	5	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	10
Out	-	-	-	-	-	-	-	-	5	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	10

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION - 11

<b>Models of Systems Affected:</b> VA TI-10	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TI/APB
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	3	1.934	-	-	-	-	3	1.934
FY 2016	-	-	-	-	-	-	3	1.925	-	-	3	1.925
FY 2017	-	-	-	-	-	-	-	-	6	3.850	6	3.850
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	3	1.934	3	1.925	6	3.850	12	7.709

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION - 11

<b>Models of Systems Affected:</b> VA TI-10	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODERNIZATION TECHNICAL INSERTION	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA TI/APB
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	6	12	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	6	12	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> ML018 VA CLASS ESM MODETRNIZATION RNB - 12

<b>Models of Systems Affected:</b> VA RNB	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.698	3.464	3.947	0.627	0.000	0.627	0.000	0.000	0.000	0.000	0.000	9.736
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.698	3.464	3.947	0.627	0.000	0.627	0.000	0.000	0.000	0.000	0.000	9.736
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.698</b>	<b>3.464</b>	<b>3.947</b>	<b>0.627</b>	<b>0.000</b>	<b>0.627</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>9.736</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procures ESM Modernization upgrade of Radar Narrow Band (RNB) capability to the VIRGINIA CLASS AN/BLQ-10(V)1 EW System.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODETRNIZATION RNB - 12

<b>Models of Systems Affected:</b> VA RNB	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODETRNIZATION RNB												
B Kits												
Recurring												
1.1.1) VA RNB - NonOrganic	1	1.698	2	3.464	2	3.519	-	-	-	-	-	-
<i>Subtotal Recurring</i>		1.698		3.464		3.519		0.000		0.000		0.000
<i>Total, ML018 VA CLASS ESM MODETRNIZATION RNB</i>	1	1.698	2	3.464	2	3.519	-	-	-	-	-	-
<i>Total, All Modifications</i>		1.698		3.464		3.519		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		1.698		3.464		3.519		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.428		0.627		0.000		0.627
<b>Total Cost (Procurement + Support + Installation)</b>		<b>1.698</b>		<b>3.464</b>		<b>3.947</b>		<b>0.627</b>		<b>0.000</b>		<b>0.627</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ML018 VA CLASS ESM MODETRNIZATION RNB												
B Kits												
Recurring												
1.1.1) VA RNB - NonOrganic	-	-	-	-	-	-	-	-	-	-	5	8.681
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		8.681
<i>Total, ML018 VA CLASS ESM MODETRNIZATION RNB</i>	-	-	-	-	-	-	-	-	-	-	5	8.681
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		8.681
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		8.681
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		1.055
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>9.736</b>

Remarks:

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODETRNIZATION RNB - 12

<b>Models of Systems Affected:</b> VA RNB	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information: ML018 VA CLASS ESM MODETRNIZATION RNB**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Syracuse, NY
Administrative Leadtime ( <i>in Months</i> ): 6	Production Leadtime ( <i>in Months</i> ): 16

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Apr 2012					
Delivery Dates	Aug 2012	Aug 2013					

**Installation: ML018 VA CLASS ESM MODETRNIZATION RNB**      **Method of Implementation: AIT**      **Installation Name: VA RNB**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	1	0.214	-	-	-	-	-	-
FY 2011	-	-	-	-	1	0.214	1	0.209	0	0.000	1	0.209
FY 2012	-	-	-	-	-	-	2	0.418	0	0.000	2	0.418
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	2	0.428	3	0.627	0	0.000	3	0.627

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	1	0.214
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.423
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.418
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 6	<b>P-1 Line Item Nomenclature:</b> 2560 - Submarine Supt Equip Prog	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ML018 VA CLASS ESM MODETRNIZATION RNB - 12

<b>Models of Systems Affected:</b> VA RNB	<b>Type Modification:</b> SHIPALT	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> ML018 VA CLASS ESM MODETRNIZATION RNB	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> VA RNB
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	5	1.055

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	2	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5			
Out	-	-	-	-	-	-	-	-	2	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5			

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b> 0603755N, 0603658N	<b>Other Related Program Elements:</b>
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	663.252	25.551	19.332	27.881	-	27.881	34.932	38.133	29.421	34.710	59.650	932.862
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	663.252	25.551	19.332	27.881	-	27.881	34.932	38.133	29.421	34.710	59.650	932.862
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	663.252	25.551	19.332	27.881	-	27.881	34.932	38.133	29.421	34.710	59.650	932.862

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	0.975	1.109	1.705	-	1.705	1.388	1.059	1.198	0.563	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Mission Description and Budget Item Justification: Cooperative Engagement Capability (CEC) significantly improves Battle Force Anti-Air Warfare (AAW) capability by coordinating all Battle Force AAW sensors into a single, real-time, composite track picture capable of fire control quality. CEC distributes sensor data from each ship and aircraft, or cooperating unit (CU), to all other CUs in the battle force through a real-time, line of sight, high data rate sensor and engagement data distribution network. CEC is highly resistant to jamming and provides accurate gridlocking between CUs. Each CU independently employs high capacity, parallel processing and advanced algorithms to combine all distributed sensor data into a fire control quality track picture which is the same for all CUs. CEC data is presented as a superset of the best AAW sensor capabilities from each CU, all of which are integrated into a single input to each CU's combat weapons system. CEC significantly improves our Battle Force defense in depth, including both local area and ship defense capabilities against current and future AAW threats. Moreover, CEC provides critical connectivity and integration of over-land air defense systems capable of countering emerging air threats, including land attack cruise missiles, in a complex littoral environment.

CEC consists of the Data Distribution System (DDS), the Cooperative Engagement Processor (CEP), and Combat System modifications. The DDS encodes and distributes ownership sensor and engagement data and is a high capacity, jam resistant, directive system providing a precision gridlocking and high throughput of data. The CEP is a high capacity distributed processor that is able to process force levels of data in near real-time. This data is passed to the ship's combat system as high quality data for which the ship can cue its onboard sensors or use the data to engage targets without actually tracking them. The Navy has begun implementation of a Pre-Planned Product Improvement (P3I) approach to modify the current equipment to meet reduced size, weight, cost, power and cooling objectives. This P3I approach also supports continuity for interoperability improvements and program protection, as well as supporting open architecture initiatives and comms independence. P3I will provide hardware which complies with Category 3 Open Architecture Core Environment (OACE) standards with rehosted existing software, which will be fielded fleet-wide to allow affordable replacement of obsolete computing system components and eliminate dependencies on "closed" equipment, operating systems, and middleware.

A family of antennas approach will be used to satisfy CEC requirements with lower life cycle costs (procurement, installation, and maintenance) and reduced weight (on mast and below deck). These antennas enable future capability as well as providing a solution extensible to additional platforms. A competitive contract for Common Array Block (CAB) antenna production is planned to be awarded in FY14. CEC is planned for shipboard installations at various Naval and commercial shipyards aboard CG/CG Mod, DDG/DDG Mod, CV/CVN, LHD, DDG 1000, and LHA ship classes during scheduled ship availability periods and at land based test sites (LBTS). CEC was approved for entry into Engineering and Manufacturing Development (E&MD) in May 1995. Eleven (11) Advanced Development Models (ADM) and Engineering Development Models (EDM), and eleven (11) Pre-Production Units (PPU) were purchased under the development contract. Also, one (1) Pre-Planned Production (P3I) LBTS system was procured in FY05 under the Design Agent/Engineering Services contract.

[P40A / UC002 - AN/UYQ-70 DISPLAY]: This is a sunk cost to fund the procurement of the AN/UYQ-70 display system for use and integration with the CEC system.

[P40A / UC004 - ECP/KIT PROCUREMENT]: These funds are for the procurement and installation of Engineering Change Proposals (ECPs) and Field Change Kits to address CEC parts obsolescence associated with interfacing systems on multiple platforms.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b> 0603755N, 0603658N	<b>Other Related Program Elements:</b>
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[P40A / UC005 - NON-RECURRING DEPOT COST]: This is a sunk cost to establish a depot for the CEC system.

[P40A / UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING]: This is a sunk cost to fund VISTA training related to the CEC system.

[P40A / UC008 - SUPPLY SUPPORT]: This is a sunk cost for Supply Support for the CEC system.

[P40A / UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTs)]: Funds are for the procurement of Signal Data Processors (SDP) backfits at Land Based Test Sites (LBTs). There are no installation costs associated with these procurements because the installations will be performed by employees at the LBTs.

[P40A / UC830 - PRODUCTION ENGR. SUPPORT]: These funds are for production engineering support for CEC systems.

[P40A / UCCA1 - CONGRESSIONAL ADD]: These are Congressional add funds.

[P3A / UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)]: These funds are for the procurement of CEC to backfit CG, DDG, CV/CVN, and LHD ship classes, as well as various Land Based Test Sites (LBTs).

[P3A / UC003 - PAAA BACKFIT KITS]: These funds are for the procurement of Planar Antenna Array Assembly (PAAA) backfit kits.

[P3A / UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS]: Funds are for the procurement of Signal Data Processors (SDP) backfits.

[P3A / UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)]: Funds are for the procurement of Signal Data Processors (SDP) backfits for AN/USG-2A equipment.

[P3A / UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD]: Funds are for the procurement of Common Array Block (CAB) antennas for shipboard AN/USG-2B systems.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
COOPERATIVE ENGAGEMENT CAPABILITY (See enclosed P-40A)	P40A, P5A				218.028			10.048			6.272			5.774			0.000			5.774
UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - 1	P3A		-	-	429.055	-	-	2.341	-	-	1.200	-	-	0.000	-	-	0.000	-	-	0.000
UC003 - PAAA BACKFIT KITS - 2	P3A		-	-	16.169	-	-	5.648	-	-	2.536	-	-	4.799	-	-	0.000	-	-	4.799

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 7 : Other Ship Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2606 - Cooperative Engagement Capability

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** 0603755N, 0603658N **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS - 3	P3A		-	-	0.000	-	-	5.264	-	-	7.074	-	-	13.225	-	-	0.000	-	-	13.225
UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - 4	P3A		-	-	0.000	-	-	2.250	-	-	2.250	-	-	4.083	-	-	0.000	-	-	4.083
UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - 5	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					<b>663.252</b>			<b>25.551</b>			<b>19.332</b>			<b>27.881</b>			<b>-</b>			<b>27.881</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
COOPERATIVE ENGAGEMENT CAPABILITY (See enclosed P-40A)	P40A, P5A			0.000			0.000			0.000			0.000			0.000			0.000	
UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - 1	P3A		-	-	4.854	-	-	5.087	-	-	6.566	-	-	6.673	-	-	9.476	-	-	465.252
UC003 - PAAA BACKFIT KITS - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	29.152
UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS - 3	P3A		-	-	12.252	-	-	16.166	-	-	3.360	-	-	4.220	-	-	0.000	-	-	61.561
UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - 4	P3A		-	-	4.514	-	-	3.868	-	-	1.508	-	-	0.843	-	-	1.807	-	-	21.123
UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - 5	P3A		-	-	5.721	-	-	4.647	-	-	10.733	-	-	15.833	-	-	19.660	-	-	56.594
<b>Total Gross/Weapon System Cost</b>					<b>34.932</b>			<b>38.133</b>			<b>29.421</b>			<b>34.710</b>			<b>59.650</b>			<b>932.862</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 7

**P-1 Line Item Nomenclature:**  
2606 - Cooperative Engagement Capability

**Aggregated Item Name:**  
COOPERATIVE ENGAGEMENT  
CAPABILITY

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) UC002 - AN/UYQ-70 DISPLAY</b>																			
1.1) AN/UYQ-70 DISPLAY	A	-	-	21.493	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) UC002 - AN/UYQ-70 DISPLAY</i>				21.493		0.000		0.000		0.000		0.000		0.000		0.000		0.000	
<b>2) UC004 - ECP/KIT PROCUREMENT</b>																			
2.1) ECP/KIT PROCUREMENT	A	-	-	77.213	-	-	4.652	-	-	3.184	-	-	2.880	-	-	-	-	-	2.880
<i>Subtotal 2) UC004 - ECP/KIT PROCUREMENT</i>				77.213		4.652		3.184		2.880		0.000		0.000		0.000		2.880	
<b>3) UC005 - NON-RECURRING DEPOT COST</b>																			
3.1) NON-RECURRING DEPOT SUPPORT	A	-	-	4.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) UC005 - NON-RECURRING DEPOT COST</i>				4.500		0.000		0.000		0.000		0.000		0.000		0.000		0.000	
<b>4) UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING</b>																			
4.1) VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING	A	-	-	0.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING</i>				0.700		0.000		0.000		0.000		0.000		0.000		0.000		0.000	
<b>5) UC008 - SUPPLY SUPPORT</b>																			
5.1) SUPPLY SUPPORT	A	-	-	6.094	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 7

**P-1 Line Item Nomenclature:**  
2606 - Cooperative Engagement Capability

**Aggregated Item Name:**  
COOPERATIVE ENGAGEMENT  
CAPABILITY

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 5) UC008 - SUPPLY SUPPORT				6.094			0.000			0.000			0.000			0.000			0.000
<b>6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)</b>																			
† 6.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)	A	-	-	-	450,000.00	5	2.250	450,000.00	3	1.350	450,000.00	3	1.350	-	-	-	450,000.00	3	1.350
Subtotal 6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)				0.000			2.250			1.350			1.350			0.000			1.350
<b>7) UC830 - PRODUCTION ENGR. SUPPORT</b>																			
7.1) PRODUCTION ENGR. SUPPORT	A	-	-	70.489	-	-	3.146	-	-	1.738	-	-	1.544	-	-	-	-	-	1.544
Subtotal 7) UC830 - PRODUCTION ENGR. SUPPORT				70.489			3.146			1.738			1.544			0.000			1.544
<b>8) UCCA1 - CONGRESSIONAL ADD</b>																			
8.1) CONGRESSIONAL ADD	A	-	-	23.249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 8) UCCA1 - CONGRESSIONAL ADD				23.249			0.000			0.000			0.000			0.000			0.000
<b>9) UC6IN - NON-FMP INSTALLATION</b>																			
9.1) NON-FMP INSTALLATION	A	-	-	14.290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 9) UC6IN - NON-FMP INSTALLATION				14.290			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>218.028</b>			<b>10.048</b>			<b>6.272</b>			<b>5.774</b>			<b>0.000</b>			<b>5.774</b>

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7					P-1 Line Item Nomenclature: 2606 - Cooperative Engagement Capability										Aggregated Item Name: COOPERATIVE ENGAGEMENT CAPABILITY				
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) UC002 - AN/UYQ-70 DISPLAY</b>																			
1.1) AN/UYQ-70 DISPLAY	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) UC002 - AN/UYQ-70 DISPLAY				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) UC004 - ECP/KIT PROCUREMENT</b>																			
2.1) ECP/KIT PROCUREMENT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) UC004 - ECP/KIT PROCUREMENT				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) UC005 - NON-RECURRING DEPOT COST</b>																			
3.1) NON-RECURRING DEPOT SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) UC005 - NON-RECURRING DEPOT COST				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING</b>																			
4.1) VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) UC008 - SUPPLY SUPPORT</b>																			
5.1) SUPPLY SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 7

**P-1 Line Item Nomenclature:**  
2606 - Cooperative Engagement Capability

**Aggregated Item Name:**  
COOPERATIVE ENGAGEMENT  
CAPABILITY

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 5) UC008 - SUPPLY SUPPORT				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)</b>																			
† 6.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)				0.000			0.000			0.000			0.000			0.000			0.000
<b>7) UC830 - PRODUCTION ENGR. SUPPORT</b>																			
7.1) PRODUCTION ENGR. SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 7) UC830 - PRODUCTION ENGR. SUPPORT				0.000			0.000			0.000			0.000			0.000			0.000
<b>8) UCCA1 - CONGRESSIONAL ADD</b>																			
8.1) CONGRESSIONAL ADD	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 8) UCCA1 - CONGRESSIONAL ADD				0.000			0.000			0.000			0.000			0.000			0.000
<b>9) UC6IN - NON-FMP INSTALLATION</b>																			
9.1) NON-FMP INSTALLATION	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 9) UC6IN - NON-FMP INSTALLATION				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2013 Navy										<b>Date:</b> February 2012		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7				<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability						<b>Aggregated Item Name:</b> COOPERATIVE ENGAGEMENT CAPABILITY		
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty <small>(Each)</small></b>	<b>Unit Cost <small>(\$)</small></b>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
<b>6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)</b>												
6.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)		2011	Sechan Electronics, Inc. / Lititz, PA	C / IDIQ	Washington, DC	Dec 2011	Jun 2014	5	450,000.00	Y		
6.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)		2012	Sechan Electronics, Inc. / Lititz, PA	C / IDIQ	Washington, DC	Dec 2012	Jun 2015	3	450,000.00	Y		
6.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)		2013	Sechan Electronics, Inc. / Lititz, PA	C / IDIQ	Washington, DC	Sep 2013	Mar 2016	3	450,000.00	Y		
<b>Remarks:</b>												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - 1

<b>Models of Systems Affected:</b> UC001 COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (CETPS) (AN/USG-2/2A/2B)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	429.055	2.341	1.200	0.000	0.000	0.000	4.854	5.087	6.566	6.673	9.476	465.252
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	429.055	2.341	1.200	0.000	0.000	0.000	4.854	5.087	6.566	6.673	9.476	465.252
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	429.055	2.341	1.200	0.000	0.000	0.000	4.854	5.087	6.566	6.673	9.476	465.252

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Strike Group Anti-Air Warfare (AAW) Improvement

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - 1

<b>Models of Systems Affected:</b> UC001 COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (CETPS) (AN/USG-2/2A/2B)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)												
B Kits												
Recurring												
1.1.1) COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - NonOrganic	47	359.673	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		359.673		0.000		0.000		0.000		0.000		0.000
<i>Total, UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)</i>	47	359.673	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		359.673		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		359.673		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		69.382		2.341		1.200		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		429.055		2.341		1.200		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)												
B Kits												
Recurring												
1.1.1) COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - NonOrganic	1	4.854	1	4.956	1	5.060	1	5.167	1	5.276	52	384.986
<i>Subtotal Recurring</i>		4.854		4.956		5.060		5.167		5.276		384.986

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - 1

<b>Models of Systems Affected:</b> UC001 COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (CETPS) (AN/USG-2/2A/2B)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total, UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)	1	4.854	1	4.956	1	5.060	1	5.167	1	5.276	52	384.986
Total, All Modifications		4.854		4.956		5.060		5.167		5.276		384.986
Procurement Cost (Procurement + Support)		4.854		4.956		5.060		5.167		5.276		384.986
Total Installation Cost		0.000		0.131		1.506		1.506		4.200		80.266
<b>Total Cost (Procurement + Support + Installation)</b>		<b>4.854</b>		<b>5.087</b>		<b>6.566</b>		<b>6.673</b>		<b>9.476</b>		<b>465.252</b>

**Remarks:**

<b>Manufacturer Information: UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)</b>							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 18				Production Leadtime (in Months): 18			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates				Apr 2014	Apr 2015	Apr 2016	Apr 2017
Delivery Dates				Oct 2015	Oct 2016	Oct 2017	Oct 2018

<b>Installation:</b> UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)	<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)	<b>Installation Name:</b> COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	44	69.382	2	2.341	1	1.200	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - 1
<b>Models of Systems Affected:</b> UC001 COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (CETPS) (AN/USG-2/2A/2B)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N

<b>Installation:</b> UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)	<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)	<b>Installation Name:</b> COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	44	69.382	2	2.341	1	1.200	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	47	72.923
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	0	0.131	1	1.300	-	-	-	-	1	1.431
FY 2015	-	-	-	-	0	0.206	1	1.300	-	-	1	1.506
FY 2016	-	-	-	-	-	-	0	0.206	1	1.400	1	1.606
FY 2017	-	-	-	-	-	-	-	-	1	1.400	1	1.400
To Complete	-	-	-	-	-	-	-	-	1	1.400	1	1.400
<b>Total</b>	-	-	0	0.131	1	1.506	1	1.506	3	4.200	52	80.266

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	44	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	3	52
Out	44	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	3	52

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7				<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC003 - PAAA BACKFIT KITS - 2				
<b>Models of Systems Affected:</b> UC003 PAAA BACKFIT KITS			<b>Type Modification:</b> SGAAW				<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	16.169	5.648	2.536	4.799	0.000	4.799	0.000	0.000	0.000	0.000	0.000	29.152
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	16.169	5.648	2.536	4.799	0.000	4.799	0.000	0.000	0.000	0.000	0.000	29.152
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>16.169</b>	<b>5.648</b>	<b>2.536</b>	<b>4.799</b>	<b>0.000</b>	<b>4.799</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>29.152</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Strike Group Anti-Air Warfare (AAW) Improvement. The PAAA Backfit Kit procurements will be replaced with Common Array Block (CAB) - Shipboard Antenna procurements commencing in FY14.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7		<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability
<b>Models of Systems Affected:</b> UC003 PAAA BACKFIT KITS		<b>Modification Nomenclature (Modification Title, Modification Number):</b> UC003 - PAAA BACKFIT KITS - 2
<b>Type Modification:</b> SGAAW		<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
UC003 - PAAA BACKFIT KITS												
B Kits												
NonRecurring												
1.1.1) PAAA BACKFIT KITS - NonOrganic	4	16.169	1	3.032	-	-	-	-	-	-	-	-
Subtotal NonRecurring		16.169		3.032		0.000		0.000		0.000		0.000
Total, UC003 - PAAA BACKFIT KITS	4	16.169	1	3.032	-	-	-	-	-	-	-	-
Total, All Modifications		16.169		3.032		0.000		0.000		0.000		0.000
Procurement Cost (Procurement + Support)		16.169		3.032		0.000		0.000		0.000		0.000
Total Installation Cost		0.000		2.616		2.536		4.799		0.000		4.799
<b>Total Cost (Procurement + Support + Installation)</b>		<b>16.169</b>		<b>5.648</b>		<b>2.536</b>		<b>4.799</b>		<b>0.000</b>		<b>4.799</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
UC003 - PAAA BACKFIT KITS												
B Kits												
NonRecurring												
1.1.1) PAAA BACKFIT KITS - NonOrganic	-	-	-	-	-	-	-	-	-	-	5	19.201
Subtotal NonRecurring		0.000		0.000		0.000		0.000		0.000		19.201
Total, UC003 - PAAA BACKFIT KITS	-	-	-	-	-	-	-	-	-	-	5	19.201
Total, All Modifications		0.000		0.000		0.000		0.000		0.000		19.201
Procurement Cost (Procurement + Support)		0.000		0.000		0.000		0.000		0.000		19.201
Total Installation Cost		0.000		0.000		0.000		0.000		0.000		9.951
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>29.152</b>

Remarks:



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC003 - PAAA BACKFIT KITS - 2
<b>Models of Systems Affected:</b> UC003 PAAA BACKFIT KITS	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N

<b>Manufacturer Information: UC003 - PAAA BACKFIT KITS</b>							
Manufacturer Name: Raytheon				Manufacturer Location: St. Petersburg, FL			
Administrative Leadtime ( <i>in Months</i> ): 1				Production Leadtime ( <i>in Months</i> ): 18			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010						
Delivery Dates	Jul 2012						

<b>Installation:</b> UC003 - PAAA BACKFIT KITS		<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)		<b>Installation Name:</b> PAAA BACKFIT KITS			
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	1	2.616	1	1.921	2	3.200	0	0.000	2	3.200
FY 2011	-	-	-	-	0	0.615	1	1.599	0	0.000	1	1.599
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	1	2.616	1	2.536	3	4.799	0	0.000	3	4.799

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	4	7.737
FY 2011	-	-	-	-	-	-	-	-	-	-	1	2.214
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC003 - PAAA BACKFIT KITS - 2
<b>Models of Systems Affected:</b> UC003 PAAA BACKFIT KITS	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N

<b>Installation:</b> UC003 - PAAA BACKFIT KITS		<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)				<b>Installation Name:</b> PAAA BACKFIT KITS						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	5	9.951

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	1	-	-	-	-	-	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	-	-	1	-	-	-	-	-	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS - 3

<b>Models of Systems Affected:</b> UC009 SIGNAL DATA PROCESSORS (SDP) BACKFITS	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	5.264	7.074	13.225	0.000	13.225	12.252	16.166	3.360	4.220	0.000	61.561
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	5.264	7.074	13.225	0.000	13.225	12.252	16.166	3.360	4.220	0.000	61.561
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>5.264</b>	<b>7.074</b>	<b>13.225</b>	<b>0.000</b>	<b>13.225</b>	<b>12.252</b>	<b>16.166</b>	<b>3.360</b>	<b>4.220</b>	<b>0.000</b>	<b>61.561</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Strike Group Anti-Air Warfare (AAW) Improvement. Funds are for the procurement of Signal Data Processors (SDP) backfits.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS - 3

<b>Models of Systems Affected:</b> UC009 SIGNAL DATA PROCESSORS (SDP) BACKFITS	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS												
B Kits												
Recurring												
1.1.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS - NonOrganic <sup>(1)</sup>	-	-	5	5.000	6	6.000	10	10.000	-	-	10	10.000
<i>Subtotal Recurring</i>		0.000		5.000		6.000		10.000		0.000		10.000
<i>Total, UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS</i>	-	-	5	5.000	6	6.000	10	10.000	-	-	10	10.000
<i>Total, All Modifications</i>		0.000		5.000		6.000		10.000		0.000		10.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		5.000		6.000		10.000		0.000		10.000
<i>Total Installation Cost</i>		0.000		0.264		1.074		3.225		0.000		3.225
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>5.264</b>		<b>7.074</b>		<b>13.225</b>		<b>0.000</b>		<b>13.225</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS												
B Kits												
Recurring												
1.1.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS - NonOrganic <sup>(1)</sup>	8	8.000	12	12.000	-	-	-	-	-	-	41	41.000
<i>Subtotal Recurring</i>		8.000		12.000		0.000		0.000		0.000		41.000
<i>Total, UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS</i>	8	8.000	12	12.000	-	-	-	-	-	-	41	41.000
<i>Total, All Modifications</i>		8.000		12.000		0.000		0.000		0.000		41.000
<i>Procurement Cost (Procurement + Support)</i>		8.000		12.000		0.000		0.000		0.000		41.000
<i>Total Installation Cost</i>		4.252		4.166		3.360		4.220		0.000		20.561
<b>Total Cost (Procurement + Support + Installation)</b>		<b>12.252</b>		<b>16.166</b>		<b>3.360</b>		<b>4.220</b>		<b>0.000</b>		<b>61.561</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS - 3

<b>Models of Systems Affected:</b> UC009 SIGNAL DATA PROCESSORS (SDP) BACKFITS	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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**Remarks:**  
 (1)Sechan was competitively awarded a Base plus 4 option year contract to manufacture SDP-S less ancillary hardware in December 2011. This contract will be re-competed in FY17. The administrative lead time to award the contract was approximately 20 months. FY12-16 will be options to this competitive contract. The administrative lead time will be 1-3 months depending on the complexity of the order. Raytheon will manufacture the ancillary equipment in FY12. Ancillary equipment in FY13-17 will be procured on a new competitively awarded contract.

**Manufacturer Information: UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS**

Manufacturer Name: Sechan Electronics, Inc.	Manufacturer Location: Lititz, PA
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015	
Delivery Dates		Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	

Manufacturer Name: Raytheon	Manufacturer Location: St. Petersburg, FL
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Jan 2012					
Delivery Dates		Jul 2013					

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime ( <i>in Months</i> ): 18	Production Leadtime ( <i>in Months</i> ): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Jan 2013	Jan 2014	Jan 2015	Jan 2016	
Delivery Dates			Jul 2014	Jul 2015	Jul 2016	Jul 2017	

<b>Installation:</b> UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS	<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)	<b>Installation Name:</b> SIGNAL DATA PROCESSORS (SDP) BACKFITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	0	0.264	0	1.074	1	3.225	0	0.000	1	3.225
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7		<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	
<b>Models of Systems Affected:</b> UC009 SIGNAL DATA PROCESSORS (SDP) BACKFITS		<b>Type Modification:</b> SGAAW	
		<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N	

<b>Installation:</b> UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS	<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)	<b>Installation Name:</b> SIGNAL DATA PROCESSORS (SDP) BACKFITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	0	0.264	0	1.074	1	3.225	0	0.000	1	3.225

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	4	1.546	-	-	-	-	-	-	-	-	5	6.109
FY 2012	6	2.319	-	-	-	-	-	-	-	-	6	2.319
FY 2013	1	0.387	9	3.720	-	-	-	-	-	-	10	4.107
FY 2014	-	-	1	0.446	7	3.360	-	-	-	-	8	3.806
FY 2015	-	-	-	-	-	-	12	4.220	-	-	12	4.220
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	11	4.252	10	4.166	7	3.360	12	4.220	-	-	41	20.561

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	3	6	-	-	7	3	-	-	5	2	1	3	3	5	-	41
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	3	6	-	-	7	3	-	-	5	2	1	3	3	5	-	41

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - 4

<b>Models of Systems Affected:</b> UC010 SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	2.250	2.250	4.083	0.000	4.083	4.514	3.868	1.508	0.843	1.807	21.123
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	2.250	2.250	4.083	0.000	4.083	4.514	3.868	1.508	0.843	1.807	21.123
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>2.250</b>	<b>2.250</b>	<b>4.083</b>	<b>0.000</b>	<b>4.083</b>	<b>4.514</b>	<b>3.868</b>	<b>1.508</b>	<b>0.843</b>	<b>1.807</b>	<b>21.123</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Strike Group Anti-Air Warfare (AAW) Improvement. Funds are for the procurement of Signal Data Processors (SDP) backfits for AN/USG-2A equipment.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - 4

<b>Models of Systems Affected:</b> UC010 SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)												
B Kits												
Recurring												
1.1.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - NonOrganic <sup>(2)</sup>	-	-	5	2.250	5	2.250	5	2.250	-	-	5	2.250
<i>Subtotal Recurring</i>		0.000		2.250		2.250		2.250		0.000		2.250
<i>Total, UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)</i>	-	-	5	2.250	5	2.250	5	2.250	-	-	5	2.250
<i>Total, All Modifications</i>		0.000		2.250		2.250		2.250		0.000		2.250
<i>Procurement Cost (Procurement + Support)</i>		0.000		2.250		2.250		2.250		0.000		2.250
<i>Total Installation Cost</i>		0.000		0.000		0.000		1.833		0.000		1.833
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		2.250		2.250		4.083		0.000		4.083

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)												
B Kits												
Recurring												
1.1.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - NonOrganic <sup>(2)</sup>	6	2.700	4	1.800	-	-	-	-	-	-	25	11.250
<i>Subtotal Recurring</i>		2.700		1.800		0.000		0.000		0.000		11.250
<i>Total, UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)</i>	6	2.700	4	1.800	-	-	-	-	-	-	25	11.250
<i>Total, All Modifications</i>		2.700		1.800		0.000		0.000		0.000		11.250
<i>Procurement Cost (Procurement + Support)</i>		2.700		1.800		0.000		0.000		0.000		11.250



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - 4

<b>Models of Systems Affected:</b> UC010 SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total Installation Cost		1.814		2.068		1.508		0.843		1.807		9.873
<b>Total Cost (Procurement + Support + Installation)</b>		<b>4.514</b>		<b>3.868</b>		<b>1.508</b>		<b>0.843</b>		<b>1.807</b>		<b>21.123</b>

**Remarks:**

<sup>(2)</sup>Sechan was competitively awarded a Base plus 4 option year contract to manufacture SDP-S less ancillary hardware in December 2011. This contract will be re-competed in FY17. The administrative lead time to award the contract was approximately 20 months. FY12-16 will be options to this competitive contract. The administrative lead time will be 1-3 months depending on the complexity of the order. Raytheon will manufacture the ancillary equipment in FY12. Ancillary equipment in FY13-17 will be procured on a new competitively awarded contract.

**Manufacturer Information: UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)**

Manufacturer Name: Sechan Electronics, Inc.	Manufacturer Location: Lititz, PA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015	
Delivery Dates		Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017	

Manufacturer Name: Raytheon	Manufacturer Location: St. Petersburg, FL
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Jan 2012					
Delivery Dates		Jul 2013					

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 18	Production Leadtime (in Months): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Jan 2013	Jan 2014	Jan 2015	Jan 2016	
Delivery Dates			Jul 2014	Jul 2015	Jul 2016	Jul 2017	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - 4
<b>Models of Systems Affected:</b> UC010 SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N

<b>Installation:</b> UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)	<b>Installation Name:</b> SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	0	1.833	0	0.000	0	1.833
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	0	1.833	0	0.000	0	1.833

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	5	1.296	-	-	-	-	-	-	-	-	5	3.129
FY 2012	2	0.518	3	1.241	-	-	-	-	-	-	5	1.759
FY 2013	-	-	2	0.827	3	0.755	-	-	-	-	5	1.582
FY 2014	-	-	-	-	3	0.753	2	0.843	1	0.361	6	1.957
FY 2015	-	-	-	-	-	-	-	-	4	1.446	4	1.446
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	7	1.814	5	2.068	6	1.508	2	0.843	5	1.807	25	9.873

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - 4
<b>Models of Systems Affected:</b> UC010 SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N

<b>Installation:</b> UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)	<b>Installation Name:</b> SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2	-	3	-	2	-	2	2	2	-	-	-	2	5	25
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2	-	3	-	2	-	2	2	2	-	-	-	2	5	25

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7			<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - 5					
<b>Models of Systems Affected:</b> UC012 COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD			<b>Type Modification:</b> SGAAW				<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	5.721	4.647	10.733	15.833	19.660	56.594
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	5.721	4.647	10.733	15.833	19.660	56.594
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>5.721</b>	<b>4.647</b>	<b>10.733</b>	<b>15.833</b>	<b>19.660</b>	<b>56.594</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Strike Group Anti-Air Warfare (AAW) Improvement. Funds are for the procurement of Common Array Block (CAB) antennas for shipboard AN/USG-2B systems.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - 5

<b>Models of Systems Affected:</b> UC012 COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD												
B Kits												
Recurring												
1.1.1) COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD												
B Kits												
Recurring												
1.1.1) COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - NonOrganic	3	5.100	2	3.400	5	8.500	8	13.600	3	5.100	21	35.700
<i>Subtotal Recurring</i>		5.100		3.400		8.500		13.600		5.100		35.700
<i>Total, UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD</i>	3	5.100	2	3.400	5	8.500	8	13.600	3	5.100	21	35.700
<i>Total, All Modifications</i>		5.100		3.400		8.500		13.600		5.100		35.700
<i>Procurement Cost (Procurement + Support)</i>		5.100		3.400		8.500		13.600		5.100		35.700
<i>Total Installation Cost</i>		0.621		1.247		2.233		2.233		14.560		20.894

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - 5

<b>Models of Systems Affected:</b> UC012 COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD	<b>Type Modification:</b> SGAAW	<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Total Cost (Procurement + Support + Installation)</b>		5.721		4.647		10.733		15.833		19.660		56.594

**Remarks:**

**Manufacturer Information: UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD**

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime ( <i>in Months</i> ): 18				Production Leadtime ( <i>in Months</i> ): 18			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates				Dec 2013	Dec 2014	Dec 2015	Dec 2016
Delivery Dates				Jun 2015	Jun 2016	Jun 2017	Jun 2018

**Installation:** UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD

<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)	<b>Installation Name:</b> COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7		<b>P-1 Line Item Nomenclature:</b> 2606 - Cooperative Engagement Capability
<b>Models of Systems Affected:</b> UC012 COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD		<b>Modification Nomenclature (Modification Title, Modification Number):</b> UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - 5
<b>Type Modification:</b> SGAAW		<b>Related RDT&amp;E PEs:</b> 0603755N, 0603658N

<b>Installation:</b> UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD	<b>Method of Implementation:</b> ALTERATION INSTALLATION TEAM (AIT)	<b>Installation Name:</b> COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	0	0.621	1	0.910	2	1.820	-	-	-	-	3	3.351
FY 2015	-	-	0	0.337	0	0.413	2	1.820	-	-	2	2.570
FY 2016	-	-	-	-	-	-	0	0.413	5	4.550	5	4.963
FY 2017	-	-	-	-	-	-	-	-	8	7.280	8	7.280
To Complete	-	-	-	-	-	-	-	-	3	2.730	3	2.730
<b>Total</b>	<b>0</b>	<b>0.621</b>	<b>1</b>	<b>1.247</b>	<b>2</b>	<b>2.233</b>	<b>2</b>	<b>2.233</b>	<b>16</b>	<b>14.560</b>	<b>21</b>	<b>20.894</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	2	16	21	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	2	16	21	

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2608 - Trusted Information System (TIS)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.025	0.336	0.426	0.448	-	0.448	0.399	0.412	0.377	0.383	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	10.025	0.336	0.426	0.448	-	0.448	0.399	0.412	0.377	0.383	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	10.025	0.336	0.426	0.448	-	0.448	0.399	0.412	0.377	0.383	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	0.019	-	-	-	-	-	-	-	-	0.000	0.019
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Naval Command and Control Systems (NCCS):

JG030: Trusted Information System (TIS) Radiant Mercury (RM) system provides the core on-line, automated guarding, sanitization, and transliteration services that provides the United State Navy (USN)'s primary command and control systems with the capability to move data between multiple security domains. RM is a critical component in the Navy's Automated Identification System Global Command Control Systems-Maritime (GCCS-M), and Maritime Operation Center (MOC) and Distributed Common Ground System-Navy (DCGS-N) architectures providing the capability to move data between security domains in order to maintain Maritime Domain Awareness. As the Department of Defense (DoD) Executive Agent for RM the USN also maintains the RM development team, Independent Validation and Verification team, and multiple test facilities for both the DoD and the Intelligence Community. RM is deployed at over 420 sites worldwide with approximately 660 installations. Funds provided for continuous hardware tech refresh at Office of Naval Intelligence (ONI) Suitland, MD and production facility.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Item Nomenclature*	Exhibits																			
Trusted Information System (TIS) (See enclosed P-40A)	P40A, P5A				10.025			0.336			0.426			0.448			0.000			0.448
<b>Total Gross/Weapon System Cost</b>					<b>10.025</b>			<b>0.336</b>			<b>0.426</b>			<b>0.448</b>			<b>-</b>			<b>0.448</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

The FY 2013 budget procures TIS Radiant Mercury shore systems.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 7 **P-1 Line Item Nomenclature:** 2608 - Trusted Information System (TIS) **Aggregated Item Name:** Trusted Information System (TIS)

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) TIS Procurements</b>																			
† 1.1) TIS Ashore Procurements (JG030)	A	-	-	8.758	118.000	2	0.236	162.000	2	0.324	145.500	2	0.291	-	-	-	145.500	2	0.291
1.2) TIS Afloat Procurements (JG030)	A	-	-	0.216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) TIS Procurements</i>				8.974			0.236			0.324			0.291			0.000			0.291
<b>2) TIS Installations</b>																			
2.1) TIS Ashore Installations (JG776)	A	-	-	0.827	-	-	0.100	-	-	0.102	-	-	0.157	-	-	-	-	-	0.157
2.2) TIS Afloat Installation (JG777)	A	-	-	0.183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) TIS Installations</i>				1.010			0.100			0.102			0.157			0.000			0.157
<b>3) TIS DSA</b>																			
3.1) TIS Afloat DSA	A	-	-	0.041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) TIS DSA</i>				0.041			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>10.025</b>			<b>0.336</b>			<b>0.426</b>			<b>0.448</b>			<b>0.000</b>			<b>0.448</b>

**Remarks:**  
 [TIS Procurements] Note: (1) Unit cost represents varying hardware configurations at shore sites from FY11 to FY13. Unit cost increase from FY11 to FY12 is due to integration of hardware variants at production lab. (Denver,CO)

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2608 - Trusted Information System (TIS)	<b>Aggregated Item Name:</b> Trusted Information System (TIS)
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) TIS Procurements</b>												
1.1) TIS Ashore Procurements (JG030) <small>(1)</small>		2011	Lockheed Martin / Denver, CO	WR	NSMA	Nov 2010	May 2011	2	118.000	Y		
1.1) TIS Ashore Procurements (JG030)		2012	Lockheed Martin / Denver, CO	WR	NSMA	Nov 2011	May 2012	2	162.000	Y		
1.1) TIS Ashore Procurements (JG030)		2013	Lockheed Martin / Denver, CO	WR	NSMA	Nov 2012	May 2013	2	145.500	Y		

**Remarks:**  
(1)Naval Systems Management Activity (NSMA)

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	485.740	33.176	33.017	35.732	-	35.732	30.323	33.851	19.856	19.334	81.147	772.176
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	485.740	33.176	33.017	35.732	-	35.732	30.323	33.851	19.856	19.334	81.147	772.176
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	485.740	33.176	33.017	35.732	-	35.732	30.323	33.851	19.856	19.334	81.147	772.176
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.697	0.702	0.713	-	0.713	0.725	0.739	0.752	0.764	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Naval Tactical Command Support System (NTCSS) is a multi-function program designed to provide standard tactical support information systems to various afloat and associated shore-based fleet activities. The mission is to provide the full range of responsive tactical support Automated Data Processing (ADP) hardware and software in support of the management of information, personnel, material and funds required to maintain and operate ships, submarines, and aircraft. NTCSS is to provide an efficient management of afloat tactical support data, through the use of standardized hardware and software, to meet the mission support information management requirements for force sustainment.

NTCSS incorporates the functionality of the Shipboard Non-Tactical ADP Program (SNAP) systems, the Naval Aviation Logistics Command Management Information System (NALCOMIS), and the Maintenance Resource Management System (MRMS).

SNAP is an automated information system that supports organizational level maintenance, supply, financial and administrative functions on afloat units, at Marine Aviation Logistics Squadrons (MALS) and at associated shore activities. SNAP improves equipment supportability and maintainability and thus readiness through: improvement in the accuracy of maintenance, supply, financial and related support data maintained and reported by the ship; and acceleration of management report preparation and data transmission. The scope of SNAP includes approximately 300 sites.

NALCOMIS is an automated, real time, interactive, management information system that provides a modern management tool for day-to-day management of aircraft maintenance at the organizational and intermediate levels. NALCOMIS automates management of the aviation repairables inventory, providing nose-to-tail tracking through the repair and operations cycles. The scope of NALCOMIS includes 66 aviation intermediate maintenance activities located afloat (CV/LHA/LHD/MALS), at Naval Air Stations (NAS), and approximately 326 Navy and Marine Squadrons.

MRMS is an automated information system that supports ship intermediate maintenance management of the Atlantic and Pacific Fleets. MRMS supports Type Commands, Group Commanders, Area Coordinators, Readiness Support Groups, Submarine Squadrons, Ship Repair Facilities, and various Intermediate Maintenance Activities, both afloat and ashore, for budgeting, planning, production and analysis of ship maintenance. MRMS improves ship readiness through improved maintenance and ship repair management, information resource management, and maintenance data processing. The scope of MRMS includes approximately 16 shipboard and 65 shore based intermediate and maintenance and planning activities.

DY005, Ship Set Equipment Upgrades procures afloat ruggedized, commercial-off-the-shelf (COTS) computing equipment, which includes servers to support the NTCSS application and database, personal computers (PCs) that will interface with the servers for maintenance and supply transactions, and printers to display output. COTS software, which includes the operating system, comes loaded on the servers and PCs.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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DY006, MALS/Shore Equipment Upgrades procures ashore ruggedized, COTS computing equipment, which includes servers to support the NTCSS application and database, PCs that will interface with the servers for maintenance and supply transactions, and printers to display output. COTS software, which includes the operating system, comes loaded on the servers and PCs.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005) - 1	P3A		-	-	242.385	-	-	16.358	-	-	10.576	-	-	22.022	-	-	0.000	-	-	22.022
2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006) - 2	P3A		-	-	243.355	-	-	16.818	-	-	22.441	-	-	13.710	-	-	0.000	-	-	13.710
<b>Total Gross/Weapon System Cost</b>					<b>485.740</b>			<b>33.176</b>			<b>33.017</b>			<b>35.732</b>			<b>-</b>			<b>35.732</b>
		FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005) - 1	P3A		-	-	14.856	-	-	21.051	-	-	12.871	-	-	12.235	-	-	37.918	-	-	390.272
2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006) - 2	P3A		-	-	15.467	-	-	12.800	-	-	6.985	-	-	7.099	-	-	43.229	-	-	381.904
<b>Total Gross/Weapon System Cost</b>					<b>30.323</b>			<b>33.851</b>			<b>19.856</b>			<b>19.334</b>			<b>81.147</b>			<b>772.176</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 Funding for FY13 procures: 1) NTCSS system upgrades for ships; 2) NTCSS system upgrades for Naval Air Stations (NAS), Squadrons, Shore Support Facilities, Fleet Training Centers, Marine Aviation Logistics Squadrons (MALS), Navy Expeditionary Combat Command sites, Special Warfare units, and Commander Naval Surface Forces; and 3) necessary production engineering and installation support.

The Navy Marine Corps Intranet (NMCI) provides the local area network and personal computers (PCs) at continental United States (CONUS) NAS and training sites. NTCSS will continue to procure and install application servers and printers for CONUS NAS and training sites. Because ships, sites outside of the continental United States, and MALS are not included in the scope of the seat management concept under NMCI, NTCSS will continue to procure and install PCs, commercial-off-the-shelf (COTS) software, printers, and NTCSS application servers and server software.

NTCSS-Optimized software will continue to be fielded at program-of-record (POR) afloat and ashore sites. Ship set and MALS/Shore equipment upgrades continue; hardware and software upgrades required for obsolescence avoidance.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005) - 1

<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades an	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	242.385	16.358	10.576	22.022	0.000	22.022	14.856	21.051	12.871	12.235	37.918	390.272
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	242.385	16.358	10.576	22.022	0.000	22.022	14.856	21.051	12.871	12.235	37.918	390.272
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>242.385</b>	<b>16.358</b>	<b>10.576</b>	<b>22.022</b>	<b>0.000</b>	<b>22.022</b>	<b>14.856</b>	<b>21.051</b>	<b>12.871</b>	<b>12.235</b>	<b>37.918</b>	<b>390.272</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Application subsystems include/financial/inventory management, organizational and surface maintenance management, and administrative information systems support. NTCSS procurements will also provide ship capabilities for displaying and storing Computer-aided Acquisition and Logistics Support (CALS) initiative information (digitized engineering drawings, automated technical manuals, etc.).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005) - 1

<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades an	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)												
B Kits												
Recurring												
1.1.1) Equipment - NonOrganic <sup>(1)</sup>	468	129.218	54	6.411	19	3.327	57	9.233	-	-	57	9.233
<i>Subtotal Recurring</i>		129.218		6.411		3.327		9.233		0.000		9.233
<i>Total, 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)</i>	468	129.218	54	6.411	19	3.327	57	9.233	-	-	57	9.233
<i>Total, All Modifications</i>		129.218		6.411		3.327		9.233		0.000		9.233
<b>Support</b>												
2.1) Production Support	-	12.270	-	0.443	-	0.198	-	0.449	-	-	-	0.449
2.2) DSA	-	4.086	-	0.391	-	0.140	-	0.389	-	-	-	0.389
<i>Total Support Cost</i>		16.356		0.834		0.338		0.838		0.000		0.838
<i>Procurement Cost (Procurement + Support)</i>		145.574		7.245		3.665		10.071		0.000		10.071
<i>Total Installation Cost</i>		96.811		9.113		6.911		11.951		0.000		11.951
<b>Total Cost (Procurement + Support + Installation)</b>		242.385		16.358		10.576		22.022		0.000		22.022

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)												
B Kits												
Recurring												



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005) - 1

<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades an	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1.1) Equipment - NonOrganic <sup>(1)</sup>	40	5.444	53	7.930	44	5.042	51	5.088	336	19.884	1,122	191.577
<i>Subtotal Recurring</i>		5.444		7.930		5.042		5.088		19.884		191.577
<i>Total, 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)</i>	40	5.444	53	7.930	44	5.042	51	5.088	336	19.884	1,122	191.577
<i>Total, All Modifications</i>		5.444		7.930		5.042		5.088		19.884		191.577
<b>Support</b>												
2.1) Production Support	-	0.325	-	0.475	-	0.301	-	0.305	-	1.433	-	16.199
2.2) DSA	-	0.292	-	0.360	-	0.301	-	0.300	-	0.818	-	7.077
<i>Total Support Cost</i>		0.617		0.835		0.602		0.605		2.251		23.276
<i>Procurement Cost (Procurement + Support)</i>		6.061		8.765		5.644		5.693		22.135		214.853
<i>Total Installation Cost</i>		8.795		12.286		7.227		6.542		15.783		175.419
<b>Total Cost (Procurement + Support + Installation)</b>		14.856		21.051		12.871		12.235		37.918		390.272

**Remarks:**  
<sup>(1)</sup>NTCSS ship set upgrades provide hardware and software upgrades in accordance with the Chief of Naval Operations (CNO) availability for the NTCSS program-of-record (POR) afloat units.

<b>Manufacturer Information: 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)</b>							
Manufacturer Name: Spawar Systems Center Atlantic				Manufacturer Location: Charleston, SC			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 2			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Nov 2011	Nov 2012				
Delivery Dates	Jan 2011	Jan 2012	Jan 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005) - 1
<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades an	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Equipment
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	468	96.811	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	54	9.113	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	19	6.911	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	57	11.951	0	0.000	57	11.951
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>468</b>	<b>96.811</b>	<b>54</b>	<b>9.113</b>	<b>19</b>	<b>6.911</b>	<b>57</b>	<b>11.951</b>	<b>0</b>	<b>0.000</b>	<b>57</b>	<b>11.951</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	468	96.811
FY 2011	-	-	-	-	-	-	-	-	-	-	54	9.113
FY 2012	-	-	-	-	-	-	-	-	-	-	19	6.911
FY 2013	-	-	-	-	-	-	-	-	-	-	57	11.951
FY 2014	40	8.795	-	-	-	-	-	-	-	-	40	8.795
FY 2015	-	-	53	12.286	-	-	-	-	-	-	53	12.286
FY 2016	-	-	-	-	44	7.227	-	-	-	-	44	7.227
FY 2017	-	-	-	-	-	-	51	6.542	-	-	51	6.542
To Complete	-	-	-	-	-	-	-	-	336	15.783	336	15.783

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005) - 1
<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades an	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Equipment
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<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
Total	40	8.795	53	12.286	44	7.227	51	6.542	336	15.783	1,122	175.419

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	468	-	18	18	18	-	6	6	7	-	19	19	19	-	13	13	14	-	17	18	18	-	14	15	15	-	17	17	17	336	1,122
Out	468	-	18	18	18	-	6	6	7	-	19	19	19	-	13	13	14	-	17	18	18	-	14	15	15	-	17	17	17	336	1,122

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006) - 2

<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades, a	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	243.355	16.818	22.441	13.710	0.000	13.710	15.467	12.800	6.985	7.099	43.229	381.904
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	243.355	16.818	22.441	13.710	0.000	13.710	15.467	12.800	6.985	7.099	43.229	381.904
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	243.355	16.818	22.441	13.710	0.000	13.710	15.467	12.800	6.985	7.099	43.229	381.904

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Application subsystems include/financial/inventory management, organizational and surface maintenance management, and administrative information systems support. NTCSS procurements will also provide ship/shore capabilities for displaying and storing Computer-aided Acquisition and Logistics Support (CALS) initiative information (digitized engineering drawings, automated technical manuals, etc.).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006) - 2

<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades, a	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)												
B Kits												
Recurring												
1.1.1) Equipment - NonOrganic <sup>(2)</sup>	974	157.979	81	11.153	92	12.029	104	5.894	-	-	104	5.894
<i>Subtotal Recurring</i>		157.979		11.153		12.029		5.894		0.000		5.894
<i>Total, 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)</i>	974	157.979	81	11.153	92	12.029	104	5.894	-	-	104	5.894
<i>Total, All Modifications</i>		157.979		11.153		12.029		5.894		0.000		5.894
<b>Support</b>												
2.1) Production Support	-	11.139	-	0.770	-	0.716	-	0.295	-	-	-	0.295
2.2) DSA	-	1.266	-	0.424	-	0.689	-	0.480	-	-	-	0.480
<i>Total Support Cost</i>		12.405		1.194		1.405		0.775		0.000		0.775
<i>Procurement Cost (Procurement + Support)</i>		170.384		12.347		13.434		6.669		0.000		6.669
<i>Total Installation Cost</i>		72.971		4.471		9.007		7.041		0.000		7.041
<b>Total Cost (Procurement + Support + Installation)</b>		243.355		16.818		22.441		13.710		0.000		13.710

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)												
B Kits												
Recurring												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006) - 2

<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades, a	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1.1) Equipment - NonOrganic <sup>(2)</sup>	116	3.071	105	2.732	48	1.976	48	1.920	546	11.199	2,114	207.953
<i>Subtotal Recurring</i>		3.071		2.732		1.976		1.920		11.199		207.953
<i>Total, 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)</i>	116	3.071	105	2.732	48	1.976	48	1.920	546	11.199	2,114	207.953
<i>Total, All Modifications</i>		3.071		2.732		1.976		1.920		11.199		207.953
<b>Support</b>												
2.1) Production Support	-	0.184	-	0.163	-	0.118	-	0.115	-	0.663	-	14.163
2.2) DSA	-	0.421	-	0.284	-	0.171	-	0.182	-	1.860	-	5.777
<i>Total Support Cost</i>		0.605		0.447		0.289		0.297		2.523		19.940
<i>Procurement Cost (Procurement + Support)</i>		3.676		3.179		2.265		2.217		13.722		227.893
<i>Total Installation Cost</i>		11.791		9.621		4.720		4.882		29.507		154.011
<b>Total Cost (Procurement + Support + Installation)</b>		15.467		12.800		6.985		7.099		43.229		381.904

**Remarks:**  
<sup>(2)</sup>NTCSS shore upgrades provide hardware and software upgrades for the NTCSS program-of-record (POR) ashore units.

<b>Manufacturer Information: 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)</b>							
Manufacturer Name: Spawar Systems Center Atlantic				Manufacturer Location: Charleston, SC			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 2			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Nov 2011	Nov 2012				
Delivery Dates	Jan 2011	Jan 2012	Jan 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006) - 2
<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades, a	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Equipment
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	974	72.971	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	81	4.471	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	92	9.007	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	104	7.041	0	0.000	104	7.041
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>974</b>	<b>72.971</b>	<b>81</b>	<b>4.471</b>	<b>92</b>	<b>9.007</b>	<b>104</b>	<b>7.041</b>	<b>0</b>	<b>0.000</b>	<b>104</b>	<b>7.041</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	974	72.971
FY 2011	-	-	-	-	-	-	-	-	-	-	81	4.471
FY 2012	-	-	-	-	-	-	-	-	-	-	92	9.007
FY 2013	-	-	-	-	-	-	-	-	-	-	104	7.041
FY 2014	116	11.791	-	-	-	-	-	-	-	-	116	11.791
FY 2015	-	-	105	9.621	-	-	-	-	-	-	105	9.621
FY 2016	-	-	-	-	48	4.720	-	-	-	-	48	4.720
FY 2017	-	-	-	-	-	-	48	4.882	-	-	48	4.882
To Complete	-	-	-	-	-	-	-	-	546	29.507	546	29.507

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2611 - Naval Tact Cmd Supt Sys (NTCSS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 2611 Naval Tactical Command Support System MALs/Shore Equipment Upgrades (DY006) - 2

<b>Models of Systems Affected:</b> Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades, a	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> 2611 Naval Tactical Command Support System MALs/Shore Equipment Upgrades (DY006)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Equipment
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<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
Total	116	11.791	105	9.621	48	4.720	48	4.882	546	29.507	2,114	154.011

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>						
In	974	-	27	27	27	-	30	31	31	-	34	35	35	-	38	39	39	-	35	35	35	-	16	16	16	-	16	16	16	546	2,114
Out	974	-	27	27	27	-	30	31	31	-	34	35	35	-	38	39	39	-	35	35	35	-	16	16	16	-	16	16	16	546	2,114



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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 7 : Other Ship Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2614 - Adv Tact Data Link Sys (ATDLS)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0205604N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	36.416	2.260	0.942	-	-	-	9.624	26.084	40.494	37.084	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	36.416	2.260	0.942	-	-	-	9.624	26.084	40.494	37.084	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	36.416	2.260	0.942	-	-	-	9.624	26.084	40.494	37.084	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.190	-	-	-	-	-	-	-	-	0.000	0.190
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Advanced Tactical Data Link Systems (ATDLS) funds the Time Division Multiple Access family of Link 16 terminals including the Multifunctional Information Distribution System - Low Volume Terminal, Joint Tactical Information Distribution System (JTIDS) and the Tactical Digital Information Link - Joint (TADIL-J) message standard databases resident in the Command & Control Processor (C2P)/ Common Data Link Management System (CDLMS). ATDLS funds the Next Generation C2P (NGC2P) Joint Range Extension (JRE) in support of Ballistic Missile Defense, C2P Technology Refresh, NGC2P upgrades to meet LHD combat system upgrades, Link Monitoring Management Tool (Formerly Air Defense System Integrator (ADSI)) Refresh, Link 16 terminal upgrades and other ATDLS integration.

NEXT GENERATION COMMAND AND CONTROL PROCESSOR (NGC2P) FIELD CHANGE KIT SHIP/SHORE (DR003): The NGC2P Field Change Kit upgrades existing C2P / CDLMS units on ship and shore sites to next generation open system hardware and software architecture. NGC2P provides a system capable of supporting critical data link functions including simultaneous processing of Link 11, Link 16 and JRE.

C2P TECHNOLOGY REFRESH KIT SHIP/SHORE (DR003) AND C2P TECHNOLOGY REFRESH SHOCK MOUNTS SHIP (DR003): C2P computer processing boards are obsolete and have antiquated software code with no industrial base support. Technology refresh of obsolete components is required for C2P software modernization. Additionally, C2P configuration is not shock qualified. Equipment upgrades are required to achieve 901D shock certification.

NEXT GENERATION COMMAND AND CONTROL PROCESSOR (NGC2P) AMPHIBIOUS ASSAULT SHIP (LHD) UPGRADES (DR003): Changes to LHD 1-6 combat systems starting in FY13 will require NGC2P/CDLMS upgrades in order to maintain critical data link functions including simultaneous processing of Link 11, Link 16 and JRE.

LINK MONITORING MANAGEMENT TOOL (LMMT) SHIP/SHORE (DR003): LMMT (formerly ADSI) hardware and its associated operating systems (OS) are approaching end of life. LMMT procures and installs hardware upgrades starting in FY2014.

LINK 16 UPGRADE KITS SHIP/SHORE (DR012) AND LINK 16 SHIP ANTENNAS (DR012): Link 16 terminals will be upgraded or replaced for all U.S. Navy surface platforms. Existing Link 16 Joint Tactical Information Distribution System terminals and Multifunctional Information Distribution System on Ship terminals will be implemented with Frequency Remapping and Crypto Modernization mandated upgrades. The product improvement will bring the Link 16 terminals in compliance with the Department of Defense / Department of Transportation Memorandum of Agreement (31DEC02) and updated National Security Agency approved cryptographic algorithms.

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 7 : Other Ship Electronic Equipment **P-1 Line Item Nomenclature:**  
 2614 - Adv Tact Data Link Sys (ATDLS)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0205604N

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Adv Tact Data Link Sys (ATDLS) (See enclosed P-40A)	P40A, P5A				36.416			2.260			0.942			0.000			0.000			0.000
<b>Total Gross/Weapon System Cost</b>					<b>36.416</b>			<b>2.260</b>			<b>0.942</b>			<b>-</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2614 - Adv Tact Data Link Sys (ATDLS)	<b>Aggregated Item Name:</b> Adv Tact Data Link Sys (ATDLS)
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) NGC2P FIELD CHANGE KIT SHIP</b>																			
† 1.1) DR003 NGC2P FIELD CHANGE KIT SHIP	A	-	-	16.216	140.000	3	0.420	-	-	-	-	-	-	-	-	-	-	-	-
1.2) DR555 PRODUCTION SUPPORT	A	-	-	1.295	-	-	0.177	-	-	-	-	-	-	-	-	-	-	-	-
1.3) DR777 INSTALLATION OF EQUIPMENT / FMP	A	-	-	14.911	-	-	0.798	-	-	0.678	-	-	-	-	-	-	-	-	-
1.4) DR777 DSA	A	-	-	3.994	-	-	0.865	-	-	0.264	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) NGC2P FIELD CHANGE KIT SHIP</i>				<b>36.416</b>			<b>2.260</b>			<b>0.942</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
<b>Total</b>				<b>36.416</b>			<b>2.260</b>			<b>0.942</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2614 - Adv Tact Data Link Sys (ATDLS)	<b>Aggregated Item Name:</b> Adv Tact Data Link Sys (ATDLS)
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) NGC2P FIELD CHANGE KIT SHIP</b>												
1.1) DR003 NGC2P FIELD CHANGE KIT SHIP <sup>(1)</sup>		2011	Northrup Grumman / San Diego	SS / FFP	SPAWAR	Sep 2011	Jun 2012	3	140.000	Y		Jan 2007

**Remarks:**  
<sup>(1)</sup>FY11 award date delayed as prior year procurements of NGC2P FCK experienced installation cost overruns.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	8.872	7.896	9.533	-	9.533	10.065	8.280	1.322	1.361	8.600	55.929
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	8.872	7.896	9.533	-	9.533	10.065	8.280	1.322	1.361	8.600	55.929
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	8.872	7.896	9.533	-	9.533	10.065	8.280	1.322	1.361	8.600	55.929
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.548	0.324	0.539	-	0.539	0.525	0.435	0.103	0.073	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Funding includes Global Command and Control System- Maritime (GCCS-M), the Navy fielded portions of GCCS-Joint, and Theater Battle Management Core System (TBMCS). GCCS-M is further delineated by Afloat and Ashore.

GCCS-M is the Maritime implementation of the United States (U.S.) Global Command and Control System (GCCS). It provides Maritime Commanders at all echelons of command with a single, integrated, scalable Command, Control, Communication, Computers and Intelligence (C4I) system that fuses, correlates, filters, maintains and displays location, and attribute information on friendly, hostile and neutral land, sea and air forces. It takes this information and integrates it with available intelligence and environmental information, to support command decision making. It operates in near real-time, constantly updating unit positions and other situational awareness data. GCCS-M also records data in appropriate databases and maintains a history of changes to those records. System operators use the data to construct relevant tactical pictures using maps, charts, topography overlays, oceanographic overlays, meteorological overlays, imagery and all-source intelligence information coordinated into a Common Operational Picture (COP) that can be shared locally and with other sites. GCCS-M is not a weapon system, but receives data from, and interfaces with Navy integrated weapons systems. Navy Commanders review and evaluate the general tactical situation, plan actions and operations, direct forces, synchronize tactical movements, and integrate force maneuver with firepower. GCCS-M operates on General Service (GENSER) Secret networks in a variety of environments and supports joint, coalition and allied forces. GCCS-M is implemented Afloat and at Ashore fixed command centers. Increment 1 includes all GCCS-M software versions 4.0 and earlier. Increment 2 is GCCS-M 4.1.

[P3A / FA010 GCCS-M Afloat]: GCCS-M Afloat provides Command and Control capability to 22 Force Level Ships (e.g., CVN class Carriers, LCC class Command Ships, LHA and LHD class Amphibious Ships), 155 Unit Level Ships (e.g., CG class Cruisers, DDG Destroyers, FFG class Frigates, MCM Mine Countermeasure Ships, LPD/LSD class Amphibious Ships, LCS Littoral Combat Ships, PC Coastal Patrol Ships), 70 Submarines (e.g., SSN/SSBN/GN class Submarines), the Software Support Activity (SSA), and the In-Service Engineering Activity (ISEA).

[P40A / FA015 Theater Battle Mgmt Core System (TBMCS)]: Theater Battle Management Core System (TBMCS) provides interoperability with Joint and Combined forces for Joint strike planning and execution. TBMCS is required to plan and publish Air Tasking Orders in support of a Joint Forces Air Component Commander (JFACC) assigned by the theater Joint Force Commander. TBMCS was fielded on all Force Level Ships (CV/CVN, LHA/LHD, LCC, AGF platforms) and selected shore sites to permit air wing interaction with theater planners for all airborne missions.

[P40A / FA020 GCCS-M Ashore]: GCCS-M Ashore provides evolutionary systems and ancillary equipment upgrades to support Chief of Naval Operations, Combatant Commanders, Unified Commander, Fleet Commanders, Type Commanders, Force Anti-Submarine Warfare Commanders, Submarine Operating Authorities, and Tactical Training Equipment Sites worldwide. GCCS-M Ashore provides systems that receive, process, display, maintain and/or assess unit characteristics, employment scheduling, material condition, combat readiness, war fighting capabilities, and positional information of own, allied, and hostile forces. GCCS-M Ashore provides the tools necessary for Fleet and Shore based commanders to execute plans, transmit tasking, and provide tactical information to subordinate forces.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 7 : Other Ship Electronic Equipment

**P-1 Line Item Nomenclature:**  
2618 - Navy Command and Control System (NCCS)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

[P40A / FA040 GCCS (Joint) Support Equipment]: Global Command and Control System- Joint (GCCS-J) is a Department of Defense (DoD) Program of Record managed by the Defense Information Systems Agency (DISA). The GCCS-J system requirements, software release schedule, and system fielding plan are determined by DISA in coordination with the Joint Staff. GCCS-J supports the Joint Staff and Combatant Commanders by providing Command, Control, Communication, Computers and Intelligence (C4I) data processing capabilities, including status of forces and support requirements for use in national security decision making, force preparation and operational planning execution.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Navy Command and Control System (NCCS) (See enclosed P-40A)	P40A, P5A				0.000			7.169			1.958			3.074			0.000			3.074
FA010/FA777 GCCS-M Afloat - 1	P3A		-	-	0.000	-	-	1.703	-	-	5.938	-	-	6.459	-	-	0.000	-	-	6.459
<b>Total Gross/Weapon System Cost</b>					-			8.872			7.896			9.533			-			9.533
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Navy Command and Control System (NCCS) (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
FA010/FA777 GCCS-M Afloat - 1	P3A		-	-	7.569	-	-	6.200	-	-	0.000	-	-	0.000	-	-	8.600	-	-	36.469
<b>Total Gross/Weapon System Cost</b>					10.065			8.280			1.322			1.361			8.600			55.929

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
The FY13 budget procures GCCS-J and GCCS-M Ashore workstations, servers, Local Area Network (LAN) hardware and software, communications equipment and Global Command and Control System - Maritime (GCCS-M) initial software licenses.

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7					P-1 Line Item Nomenclature: 2618 - Navy Command and Control System (NCCS)										Aggregated Item Name: Navy Command and Control System (NCCS)				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) FA015 Theater Battle Mgmt Core System (TBMCS)</b>																			
† 1.1) TBMCS Ashore	A	-	-	-	234.000	1	0.234	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) FA015 Theater Battle Mgmt Core System (TBMCS)</i>				0.000			0.234			0.000			0.000			0.000			0.000
<b>2) FA020 GCCS-M Ashore</b>																			
† 2.1) GCCS-M Increment 1 Ashore <sup>(1)</sup>	A	-	-	-	260.300	8	2.082	-	-	-	-	-	-	-	-	-	-	-	-
† 2.2) GCCS-M Increment 2 Ashore <sup>(2)</sup>	A	-	-	-	260.300	2	0.521	-	-	-	240.000	2	0.480	-	-	-	240.000	2	0.480
<i>Subtotal 2) FA020 GCCS-M Ashore</i>				0.000			2.603			0.000			0.480			0.000			0.480
<b>3) FA040 GCCS (Joint) Support Equipment</b>																			
† 3.1) GCCS (Joint) Support Equipment	A	-	-	-	198.444	9	1.786	202.000	6	1.212	262.667	3	0.788	-	-	-	262.667	3	0.788
<i>Subtotal 3) FA040 GCCS (Joint) Support Equipment</i>				0.000			1.786			1.212			0.788			0.000			0.788
<b>4) FA666 Training Curriculum</b>																			
4.1) GCCS-M Increment 2 Ashore Training Curriculum	A	-	-	-	-	-	-	-	-	-	-	-	0.527	-	-	-	-	-	0.527
<i>Subtotal 4) FA666 Training Curriculum</i>				0.000			0.000			0.000			0.527			0.000			0.527
<b>5) FA555 Production Support</b>																			
5.1) GCCS (Joint) Production Engineering Support	A	-	-	-	-	-	-	-	-	0.052	-	-	0.039	-	-	-	-	-	0.039
5.2) GCCS-M Increment 2 Ashore Production Support	A	-	-	-	-	-	-	-	-	-	-	-	0.024	-	-	-	-	-	0.024

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy													<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7						<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)						<b>Aggregated Item Name:</b> Navy Command and Control System (NCCS)						

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal 5) FA555 Production Support</i>				0.000			0.000			0.052			0.063			0.000			0.063
<b>6) FA776 Non FMP</b>																			
6.1) TBMCS Ashore <sup>(3)</sup>	A	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
6.2) GCCS-M Increment 1 Ashore	A	-	-	-	-	-	1.048	-	-	-	-	-	-	-	-	-	-	-	-
6.3) GCCS-M Increment 2 Ashore	A	-	-	-	-	-	0.200	-	-	-	-	-	0.520	-	-	-	-	-	0.520
6.4) GCCS-M Ashore Pre-Installation Design	A	-	-	-	-	-	-	-	-	-	-	-	0.140	-	-	-	-	-	0.140
6.5) GCCS (Joint) Support Equipment	A	-	-	-	-	-	1.048	-	-	0.588	-	-	0.425	-	-	-	-	-	0.425
6.6) GCCS-J Pre-Installation Design	A	-	-	-	-	-	0.150	-	-	0.106	-	-	0.131	-	-	-	-	-	0.131
<i>Subtotal 6) FA776 Non FMP</i>				0.000			2.546			0.694			1.216			0.000			1.216
<b>Total</b>				<b>0.000</b>			<b>7.169</b>			<b>1.958</b>			<b>3.074</b>			<b>0.000</b>			<b>3.074</b>



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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7					P-1 Line Item Nomenclature: 2618 - Navy Command and Control System (NCCS)										Aggregated Item Name: Navy Command and Control System (NCCS)				
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) FA015 Theater Battle Mgmt Core System (TBMCS)</b>																			
† 1.1) TBMCS Ashore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) FA015 Theater Battle Mgmt Core System (TBMCS)				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) FA020 GCCS-M Ashore</b>																			
† 2.1) GCCS-M Increment 1 Ashore <sup>(1)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.2) GCCS-M Increment 2 Ashore <sup>(2)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) FA020 GCCS-M Ashore				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) FA040 GCCS (Joint) Support Equipment</b>																			
† 3.1) GCCS (Joint) Support Equipment	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) FA040 GCCS (Joint) Support Equipment				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) FA666 Training Curriculum</b>																			
4.1) GCCS-M Increment 2 Ashore Training Curriculum	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) FA666 Training Curriculum				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) FA555 Production Support</b>																			
5.1) GCCS (Joint) Production Engineering Support	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) GCCS-M Increment 2 Ashore Production Support	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy													<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7					<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)								<b>Aggregated Item Name:</b> Navy Command and Control System (NCCS)					

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal 5) FA555 Production Support				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) FA776 Non FMP</b>																			
6.1) TBMCS Ashore <sup>(3)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) GCCS-M Increment 1 Ashore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) GCCS-M Increment 2 Ashore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) GCCS-M Ashore Pre- Installation Design	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.5) GCCS (Joint) Support Equipment	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) GCCS-J Pre- Installation Design	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 6) FA776 Non FMP				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

[FA776 Non FMP] FMP is Fleet Modernization Program.

<sup>(1)</sup>Unit costs are based on the average cost of all the platforms or sites installed within a given fiscal year. Unit cost variances are due to the diverse types of upgrade requirements per platform or site.

<sup>(2)</sup>Due to fact-of-life changes, GCCS-M Increment 2 shall procure 2 quantities of Technical Training Equipment (TTE) for Ashore training sites in FY11.

<sup>(3)</sup>TBMCS is Theater Battle Management Core System

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7				P-1 Line Item Nomenclature: 2618 - Navy Command and Control System (NCCS)						Aggregated Item Name: Navy Command and Control System (NCCS)		
Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) FA015 Theater Battle Mgmt Core System (TBMCS)</b>												
1.1) TBMCS Ashore		2011	SSC Atlantic/Pacific / SPAWAR	WR	** NO PCO **	Nov 2010	Feb 2011	1	234.000	Y		
<b>2) FA020 GCCS-M Ashore</b>												
2.1) GCCS-M Increment 1 Ashore		2011	SSC Atlantic/Pacific / SPAWAR	WR	SPAWAR	Nov 2010	Jan 2011	8	260.300	Y		
2.2) GCCS-M Increment 2 Ashore		2011	SSC Atlantic/Pacific / SPAWAR	WR	SPAWAR	Nov 2010	Jan 2011	2	260.300	Y		
2.2) GCCS-M Increment 2 Ashore		2013	SSC Atlantic/Pacific / SPAWAR	WR	SPAWAR	Nov 2012	Jan 2013	2	240.000	Y		
<b>3) FA040 GCCS (Joint) Support Equipment</b>												
3.1) GCCS (Joint) Support Equipment		2011	SSC Atlantic/Pacific / SPAWAR	WR	SPAWAR	Nov 2010	Jan 2011	9	198.444	Y		
3.1) GCCS (Joint) Support Equipment		2012	SSC Atlantic/Pacific / SPAWAR	WR	SPAWAR	Nov 2011	Jan 2012	6	202.000	Y		
3.1) GCCS (Joint) Support Equipment		2013	SSC Atlantic/Pacific / SPAWAR	WR	SPAWAR	Nov 2012	Jan 2013	3	262.667	Y		
<b>Remarks:</b>												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): FA010/FA777 GCCS-M Afloat - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604231N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	1.703	5.938	6.459	0.000	6.459	7.569	6.200	0.000	0.000	8.600	36.469
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	1.703	5.938	6.459	0.000	6.459	7.569	6.200	0.000	0.000	8.600	36.469
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	1.703	5.938	6.459	0.000	6.459	7.569	6.200	0.000	0.000	8.600	36.469

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

GCCS-M provides Maritime Commanders at all echelons of command with a single, integrated, scalable C4I system that fuses, correlates, filters, maintains and displays location, and attribute information on friendly, hostile and neutral land, sea and air forces. It takes this information and integrates it with available intelligence and environmental information, to support command decision making. It operates in near real-time, constantly updating unit positions and other situational awareness data. GCCS-M also records data in appropriate databases and maintains a history of changes to those records. System operators use the data to construct relevant tactical pictures using maps, charts, topography overlays, oceanographic overlays, meteorological overlays, imagery and all-source intelligence information coordinated into a Common Operational Picture (COP) that can be shared locally and with other sites. GCCS-M is not a weapon system, but receives data from, and interfaces with Navy integrated weapons systems. Navy Commanders review and evaluate the general tactical situation, plan actions and operations, direct forces, synchronize tactical movements, and integrate force maneuver with firepower.

GCCS-M Increment 1 Afloat Unit level provide software / hardware for DDG, CG, LCS, LPD, LSD, PC, MCM, SSN, SSBN, SSGN and FFG Classes. Increment 1 can deliver a software / hardware solution or a software-only solution. It GCCS-M Increment 2 Afloat Unit Level is the final version of GCCS-M for DDG, CG, LCS, LPD, LSD, PC, MCM, SSN, SSBN, SSGN and FFG Classes. Increment 2 delivers a software-only solution.

GCCS-M Increment 1 Afloat Force Level provide software / hardware for CVN, LHA, LHD, and LCC classes. Increment 1 can deliver a software / hardware solution or a software-only solution.

GCCS-M Increment 2 Afloat Force Level is the final version of GCCS-M for CVN, LHA, LHD, and LCC classes. Increment 2 delivers a software-only solution.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): FA010/FA777 GCCS-M Afloat - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604231N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
FA010/FA777 GCCS-M Afloat												
B Kits												
Recurring												
1.1.1) GCCS-M Increment 1 Afloat Unit Level - NonOrganic <sup>(4)</sup>	-	-	-	-	18	1.980	40	2.985	-	-	40	2.985
1.1.2) GCCS-M Increment 2 Afloat Unit Level - NonOrganic <sup>(5)</sup>	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) GCCS-M Increment 2 Afloat Force Level - NonOrganic <sup>(6)</sup>	-	-	-	-	4	1.600	3	1.200	-	-	3	1.200
<i>Subtotal Recurring</i>		0.000		0.000		3.580		4.185		0.000		4.185
<i>Total, FA010/FA777 GCCS-M Afloat</i>	-	-	-	-	22	3.580	43	4.185	-	-	43	4.185
<i>Total, All Modifications</i>		0.000		0.000		3.580		4.185		0.000		4.185
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		3.580		4.185		0.000		4.185
<i>Total Installation Cost</i>		0.000		1.703		2.358		2.274		0.000		2.274
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>1.703</b>		<b>5.938</b>		<b>6.459</b>		<b>0.000</b>		<b>6.459</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
FA010/FA777 GCCS-M Afloat												
B Kits												
Recurring												
1.1.1) GCCS-M Increment 1 Afloat Unit Level - NonOrganic <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	58	4.965
1.1.2) GCCS-M Increment 2 Afloat Unit Level - NonOrganic <sup>(5)</sup>	31	3.958	29	3.056	-	-	-	-	50	3.120	110	10.134
1.1.4) GCCS-M Increment 2 Afloat Force Level - NonOrganic <sup>(6)</sup>	2	0.814	3	1.221	-	-	-	-	4	2.447	16	7.282
<i>Subtotal Recurring</i>		4.772		4.277		0.000		0.000		5.567		22.381
<i>Total, FA010/FA777 GCCS-M Afloat</i>	33	4.772	32	4.277	-	-	-	-	54	5.567	184	22.381
<i>Total, All Modifications</i>		4.772		4.277		0.000		0.000		5.567		22.381
<i>Procurement Cost (Procurement + Support)</i>		4.772		4.277		0.000		0.000		5.567		22.381

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): FA010/FA777 GCCS-M Afloat - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604231N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total Installation Cost		2.797		1.923		0.000		0.000		3.033		14.088
<b>Total Cost (Procurement + Support + Installation)</b>		<b>7.569</b>		<b>6.200</b>		<b>0.000</b>		<b>0.000</b>		<b>8.600</b>		<b>36.469</b>

**Remarks:**

(4)- Quantities refer to Unit Level ships and submarines. GCCS-M will be installed on 155 Unit Level ships in the Fleet and 70 submarines. GCCS-M Afloat Unit level quantities also include refresh units.  
 - FY11-13 units installed is for software-only that was developed with Research, Development, Test & Evaluation, Navy (RDTEN). Other Procurement, Navy (OPN) is the appropriate fund source when the GCCS-M installation is an incidental cost to the Common Computing Environment (CCE)/CANES hardware installation.  
 - In Fiscal Year 2011, the Initial Software Licenses were purchased with GCCS-M 1C1C OMN.  
 - Unit Level encompasses both Unit Level and Group Level procurement / installations.

(5)- Quantities refer to Unit Level ships and submarines. GCCS-M will be installed on 155 Unit Level ships in the Fleet and 70 submarines. GCCS-M Afloat Unit level quantities also include refresh units.  
 - In Fiscal Year 2011, the Initial Software Licenses were purchased with GCCS-M 1C1C OMN.  
 - Unit Level encompasses both Unit Level and Group Level procurement / installations.

(6)- Quantities refer to Force Level ships. Currently, there are 22 Force Level ships in the Fleet. GCCS-M Afloat Force level quantities also include refresh units.  
 - FY11-15 units installed are software-only installations (the software was developed with Research, Development, Test & Evaluation, Navy (RDT&E,N)).  
 - In Fiscal Year 2011, initial software licenses were purchased with 1C1C OMN.

**Manufacturer Information: FA010/FA777 GCCS-M Afloat**

Manufacturer Name: SSC Atlantic/Pacific	Manufacturer Location: SPAWAR
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 2

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Nov 2011	Nov 2012				
Delivery Dates		Jan 2012	Jan 2013				

**Installation: FA010/FA777 GCCS-M Afloat**      **Method of Implementation:** [none specified]      **Installation Name:** GCCS-M Increment 1 Afloat Unit Level

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	0	1.703	18	1.318	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	40	1.648	0	0.000	40	1.648
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7		<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)
<b>Models of Systems Affected:</b> [No Model Specified]		<b>Type Modification:</b> [No Modification Type Specified]
		<b>Related RDT&amp;E PEs:</b> 0604231N

<b>Installation:</b> FA010/FA777 GCCS-M Afloat	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> GCCS-M Increment 1 Afloat Unit Level
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	0	1.703	18	1.318	40	1.648	0	0.000	40	1.648

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	18	3.021
FY 2013	-	-	-	-	-	-	-	-	-	-	40	1.648
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	58	4.669

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	9	2	7	-	14	11	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58
Out	-	-	-	-	-	9	2	7	-	14	11	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): FA010/FA777 GCCS-M Afloat - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604231N
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<b>Installation:</b> FA010/FA777 GCCS-M Afloat	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> GCCS-M Increment 2 Afloat Unit Level
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	31	2.310	-	-	-	-	-	-	-	-	31	2.310
FY 2015	-	-	29	1.286	-	-	-	-	-	-	29	1.286
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	50	1.680	50	1.680
Total	31	2.310	29	1.286	-	-	-	-	50	1.680	110	5.276



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): FA010/FA777 GCCS-M Afloat - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604231N
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<b>Installation:</b> FA010/FA777 GCCS-M Afloat	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> GCCS-M Increment 2 Afloat Unit Level
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Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	11	11	-	10	10	9	-	-	-	-	-	-	-	-	50	110
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	11	11	-	10	10	9	-	-	-	-	-	-	-	-	50	110

<b>Installation:</b> FA010/FA777 GCCS-M Afloat	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> GCCS-M Increment 2 Afloat Force Level
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	4	1.040	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	3	0.626	0	0.000	3	0.626
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	4	1.040	3	0.626	0	0.000	3	0.626

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	4	1.040
FY 2013	-	-	-	-	-	-	-	-	-	-	3	0.626
FY 2014	2	0.487	-	-	-	-	-	-	-	-	2	0.487
FY 2015	-	-	3	0.637	-	-	-	-	-	-	3	0.637
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7		<b>P-1 Line Item Nomenclature:</b> 2618 - Navy Command and Control System (NCCS)
<b>Models of Systems Affected:</b> [No Model Specified]		<b>Type Modification:</b> [No Modification Type Specified]
		<b>Related RDT&amp;E PEs:</b> 0604231N

<b>Installation:</b> FA010/FA777 GCCS-M Afloat	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> GCCS-M Increment 2 Afloat Force Level
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	4	1.353	4	1.353
<b>Total</b>	2	0.487	3	0.637	-	-	-	-	4	1.353	16	4.143

Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	1	1	2	-	1	1	1	-	1	1	-	-	1	1	1	-	-	-	-	-	-	-	-	4	16
Out	-	-	-	-	-	-	1	1	2	-	1	1	1	-	1	1	-	-	1	1	1	-	-	-	-	-	-	-	-	4	16

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 7 : Other Ship Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2622 - Minesweeping System Replacement

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	337.788	79.641	27.868	60.111	-	60.111	68.563	47.336	64.194	59.653	0.000	745.154
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	337.788	79.641	27.868	60.111	-	60.111	68.563	47.336	64.194	59.653	0.000	745.154
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	337.788	79.641	27.868	60.111	-	60.111	68.563	47.336	64.194	59.653	0.000	745.154
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.358	0.228	0.135	-	0.135	0.278	0.540	0.759	1.489	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provide systems, subsystems, and engineering change kits for minehunting, navigation, and tactical display operations by the surface Mine Countermeasure (MCM) force. Engineering change kits improve reliability and maintainability and correct deficiencies to allow equipment to perform in accordance with operational requirements.

[P40A / LV064 - REMOTE MINEHUNTING SYSTEM (RMS)]: The AN/WLD-1(V)1 Remote Minehunting System (RMS) is a mine reconnaissance system designed for the detection, classification, identification, and localization of bottom and moored targets in shallow and deep water. RMS is a fully integrated system consisting of a semi-submersible Remote Multi-Mission Vehicle (RMMV) carrying a towed variable depth sensor. Line-Of-Sight (LOS) and Over-The-Horizon (OTH) telemetry provides vehicle Command and Control and mine reconnaissance sensor data transmission to/from a system aboard a Navy ship. RMS will provide the Navy the capability to keep ships and sailors out of the minefield.

[P40A / LV073 - MCM/MHC INTEGRATED SHIP CONTROL SYSTEM]: This program funds software integration and hardware upgrades to the MCM-1 class ships' ISCS. Ship Change upgrades computer workstations, replaces network switches, and replaces the operating system.

[P40A / LV075 - MCM COMBAT SYSTEMS UPGRADES]: The MCM Combat System Upgrades program consists of a series of incremental upgrades to the current combat system via Engineering Change Kits. The upgrades improve reliability and maintainability and correct deficiencies to allow the equipment to perform in accordance with operational requirements. The current planned upgrades include:

- Acoustic Sweep Replacement - replace the TB-26 and TB-27 with the Advanced Acoustic Generator/Infrasonic Advanced Acoustic Generator (AAG/IAAG) TB-30/TB-31 to solve obsolescence problems, reduce aft deck weight and improve performance.
- AN/SQQ-32 Sonar Data Recorder - upgrade the minehunting sonar on MCM ships, which will provide the capability to record, playback, display, detect and classify data for sonar contact recognition training.
- MCM Communication Upgrade - upgrade and modernization of the communications systems for MCM ships.
- Supportability Engineering Changes - upgrade and modernization of the combat systems upgrade to reduce emergent obsolescence and supportability issues such as OK520 Hydraulic Power Unit (HPU), SQQ-32 touch panel, SLQ-48 Power Distribution Unit (PDU), and upgrade C2 system to bring ECDISN and resolve obsolescence issues and provide a standard Mine Countermeasure Navigation Command and Control (NAVCC) upgrade.
- Mine Neutralization System (MNS) is a replacement to the existing AN/SLQ-48 Mine Neutralization System. The current program replaces the AN/SLQ-48 with MNS on the 14 MCM Avenger Class Ships.
- MEDAL Expeditionary Systems - Installation of MEDAL onboard MCM Ships. May include installation to upgrade GCCS-M B.x to 4.x hardware on MCM 1-4 and 15 Chief, MEDAL EA mobile servers (expeditionary) installation on afloat units including MCM 1-15 and LCS.
- Global Command and Control System Maritime (GCCS-M) - Installation of GCCS-M onboard MCM Ships.
- Battle Space Profiler (BSP) - Consists of improvements to MCM Ships' sonar which provide a current profile, a Hydro-Optics package, and a Bottom Sediment Classifier.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2622 - Minesweeping System Replacement
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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[P40A / LV078 - HFWB]: AN/SQQ-32(V)4 High Frequency Wide Band is a technology upgrade to the SQQ-32 Towed Body which will incorporate HFWB technology into the detection sonar to address performance deficiencies against new mine threats in the littorals. This upgrade will be installed on MCM-1 Class ships with the SQQ-32(V)3 and will have new transducer modules, fiber optic cable and modified topside processing and display software.

[P40A / LV081 - BOW THRUSTER IMPROVEMENT]: This program replaces the hydraulic actuator with an electromagnetic actuator designed to eliminate inherent problems with MCM class ships Bow Thruster.

[P40A / LV082 - AFT DECK EQUIPMENT UPGRADE]: This program will install an inverter electric motor on the magnetic cable reel, acoustic cable reel, minesweeping winch and self contained hydraulic power unit on the stern crane.\*

\*Note: Aft Deck equipment upgrade is a high priority of the MCM Task Force and MCM Operational Advisory Group.

[P40A / LV083 - AIMS]: This program provides both CONUS and Forward-Area signature measurement capabilities for mine susceptibility assessments, calibrates the ship's degaussing systems, effectiveness of acoustic quiet bills, database archiving and data analysis of Class-wide signatures.

[P40A / LV084 - 400HZ]: The 400Hz Motor Generator (MG) sets currently onboard the MCMs are mechanically unreliable. Funding will replace the existing 400 Hz MG sets with Static Frequency Converters (SFCs) to eliminate inherent problems with existing systems.

[P40A / LV085 - MAGNETIC SILENCING FACILITY UPGRADES]: This program is for hardware, auxiliary systems and support in association with the upgrade of the current aging CONUS and OCONUS Magnetic Silencing Facilities (MSF) so the calibration of the new Open-Loop Magnetic Systems or Advanced Degaussing System (ADS) ships and submarines can be accomplished for worldwide operation. The upgrade will also ensure that the ships/submarines will be able to meet OPNAV 8950.2G signature requirements and will be less susceptible to Electro-Magnetic threat systems.

[P40A / PNNCM - MINE COUNTERMEASURES MAP SYSTEM]: Additional high-speed, high resolution sidescan sonar systems that provide deeper tows, longer range, and higher resolution than existing systems are required to meet Fleet requirements supporting Mine Warfare (MIW) operations. The procurement will facilitate collection of high resolution imagery at MIW resolutions and acoustic frequencies. The imagery data is required to generate products that directly support mine warfare. This environmental data is critical in the detection of small mine-like targets as well as hazards-to-navigation (e.g. wrecks) and characterizing the seafloor over large areas (geoprovincing). This data is used in change-detection programs to compare with any new data collected from the Fleet that will aid in the assessment and determination of mine-threats and significantly reduced clearance time.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
MINESWEEPING SYSTEM REPLACEMENT (See enclosed P-40A)	P40A, P5A, P21				337.788			79.641			27.868			60.111			0.000			60.111
<b>Total Gross/Weapon System Cost</b>					<b>337.788</b>			<b>79.641</b>			<b>27.868</b>			<b>60.111</b>			<b>-</b>			<b>60.111</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment		<b>P-1 Line Item Nomenclature:</b> 2622 - Minesweeping System Replacement
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<b>Justification:</b>		

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 7

**P-1 Line Item Nomenclature:**  
2622 - Minesweeping System Replacement

**Aggregated Item Name:**  
MINESWEEPING SYSTEM  
REPLACEMENT

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) LV064 - REMOTE MINEHUNTING SYSTEM (RMS)</b>																			
1.1) VARIABLE DEPTH SENSOR (VDS AN/ AQS-20A)	A	-	-	22.973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) PRODUCTION ENGINEERING	A	-	-	3.672	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) REMOTE MINEHUNTING VEHICLE (RMV)	A	-	-	66.251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) MOD/PROD	A	-	-	1.402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) CONSULTING SERVICES	A	-	-	0.329	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) LV064 - REMOTE MINEHUNTING SYSTEM (RMS)</i>				94.627			0.000			0.000			0.000			0.000			0.000
<b>2) LV073 - MCM/MHC INTEGRATED SHIP CONTROL SYSTEM</b>																			
2.1) SOFTWARE INTEGRATION	A	-	-	2.346	-	-	0.412	-	-	0.490	-	-	4.787	-	-	-	-	-	4.787
<i>Subtotal 2) LV073 - MCM/MHC INTEGRATED SHIP CONTROL SYSTEM</i>				2.346			0.412			0.490			4.787			0.000			4.787
<b>3) LV074 - FORCE PROTECTION EQUIPMENT</b>																			
3.1) FORCE PROTECTION EQUIPMENT	A	-	-	0.247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) LV074 - FORCE PROTECTION EQUIPMENT</i>				0.247			0.000			0.000			0.000			0.000			0.000
<b>4) LV075 - MCM COMBAT SYSTEMS UPGRADES</b>																			
4.1) MCM COMBAT SYSTEMS	A	-	-	105.992	-	-	29.152	-	-	-	-	-	1.495	-	-	-	-	-	1.495

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7				P-1 Line Item Nomenclature: 2622 - Minesweeping System Replacement										Aggregated Item Name: MINESWEEPING SYSTEM REPLACEMENT					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 4) LV075 - MCM COMBAT SYSTEMS UPGRADES				105.992			29.152			0.000			1.495			0.000			1.495
<b>5) LV076 - EMNS</b>																			
5.1) PRODUCTION ENGINEERING	A	-	-	0.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) CONSULTING SERVICES	A	-	-	0.129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 5) LV076 - EMNS				0.524			0.000			0.000			0.000			0.000			0.000
<b>6) LV078 - HFWB</b>																			
† 6.1) AN/ SQQ-32(V)4	A	-	-	1.260	5,850K	5	29.250	-	-	8.970	11,607K	3	34.822	-	-	-	11,607K	3	34.822
6.2) H/W AND S/ W ECP	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) PRODUCTION ENGINEERING	A	-	-	1.316	-	-	1.432	-	-	0.844	-	-	0.952	-	-	-	-	-	0.952
6.4) CONSULTING SERVICES	A	-	-	0.569	-	-	0.617	-	-	0.300	-	-	0.132	-	-	-	-	-	0.132
6.5) EDM REFURBISHMENT	A	-	-	3.848	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 6) LV078 - HFWB				6.993			31.299			10.114			35.906			0.000			35.906
<b>7) LV079 - SMCM UUV W/LFBB</b>																			
7.1) SMCM UUV	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 7) LV079 - SMCM UUV W/LFBB				0.000			0.000			0.000			0.000			0.000			0.000
<b>8) LV080 - UNMANNED SURFACE SWEEP SYSTEM (US3)</b>																			
8.1) SWEEP SYSTEMS	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) PRODUCTION ENGINEERING	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 8) LV080 - UNMANNED				0.000			0.000			0.000			0.000			0.000			0.000

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7					P-1 Line Item Nomenclature: 2622 - Minesweeping System Replacement										Aggregated Item Name: MINESWEEPING SYSTEM REPLACEMENT				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SURFACE SWEEP SYSTEM (US3)																			
<b>9) LV081 - BOW THRUSTER IMPROVEMENT</b>																			
9.1) BOW THRUSTER IMPROVEMENT	B	-	-	3.172	-	-	0.786	-	-	0.404	-	-	0.944	-	-	-	-	-	0.944
Subtotal 9) LV081 - BOW THRUSTER IMPROVEMENT				3.172			0.786			0.404			0.944			0.000			0.944
<b>10) LV082 - AFT DECK EQUIPMENT UPGRADE</b>																			
10.1) AFT DECK EQUIPMENT UPGRADE	B	-	-	24.119	-	-	1.362	-	-	0.500	-	-	2.293	-	-	-	-	-	2.293
Subtotal 10) LV082 - AFT DECK EQUIPMENT UPGRADE				24.119			1.362			0.500			2.293			0.000			2.293
<b>11) LV083 - AIMS</b>																			
11.1) AIMS	B	-	-	1.731	-	-	1.928	-	-	1.890	-	-	-	-	-	-	-	-	-
Subtotal 11) LV083 - AIMS				1.731			1.928			1.890			0.000			0.000			0.000
<b>12) LV084 - 400HZ</b>																			
12.1) 400HZ	A	-	-	3.994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 12) LV084 - 400HZ				3.994			0.000			0.000			0.000			0.000			0.000
<b>13) LV085 - MAGNETIC SILENCING FACILITY UPGRADES</b>																			
† 13.1) MSF PEARL HARBOR TREATMENT UPGRADE	B	-	-	11.244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.2) MSF NORFOLK TREATMENT UPGRADE	B	-	-	14.457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 13.3) MSF MEASUREMENT SYSTEM UPGRADE	B	-	-	13.688	-	-	8.632	-	-	8.891	-	-	8.935	-	-	-	-	-	8.935



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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7					P-1 Line Item Nomenclature: 2622 - Minesweeping System Replacement										Aggregated Item Name: MINESWEEPING SYSTEM REPLACEMENT				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
13.4) MSF SAN DIEGO TREATMENT UPGRADE	B	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.5) PRODUCTION ENGINEERING	B	-	-	22.908	-	-	6.070	-	-	5.579	-	-	5.751	-	-	-	-	-	5.751
<i>Subtotal 13) LV085 - MAGNETIC SILENCING FACILITY UPGRADES</i>				67.297			14.702			14.470			14.686			0.000			14.686
<b>14) LV830 - PRODUCTION ENGINEERING</b>																			
14.1) MCM COMBAT SYSTEM	B	-	-	2.461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.2) MAGNETIC SILENCING FACILITY UPGRADES	B	-	-	5.652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.3) RMS	B	-	-	12.633	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 14) LV830 - PRODUCTION ENGINEERING</i>				20.746			0.000			0.000			0.000			0.000			0.000
<b>15) LV900 - CONSULTING SERVICES</b>																			
15.1) RMS	B	-	-	0.793	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15.2) MCM COMBAT SYSTEMS	B	-	-	1.732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 15) LV900 - CONSULTING SERVICES</i>				2.525			0.000			0.000			0.000			0.000			0.000
<b>16) LVCA1 - SEA BOTTOM MAPPING</b>																			
16.1) SEA BOTTOM MAPPING	A	-	-	1.711	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 16) LVCA1 - SEA BOTTOM MAPPING</i>				1.711			0.000			0.000			0.000			0.000			0.000
<b>17) PNNCM - MINE COUNTERMEASURES MAP SYSTEM</b>																			

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 7

**P-1 Line Item Nomenclature:**  
2622 - Minesweeping System Replacement

**Aggregated Item Name:**  
MINESWEEPING SYSTEM  
REPLACEMENT

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
17.1) MINE COUNTERMEASURES MAP SYSTEM	B	-	-	1.764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 17) PNNCM - MINE COUNTERMEASURES MAP SYSTEM</i>				1.764			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>337.788</b>			<b>79.641</b>			<b>27.868</b>			<b>60.111</b>			<b>0.000</b>			<b>60.111</b>

**Remarks:**

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<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2013 Navy										<b>Date:</b> February 2012		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7				<b>P-1 Line Item Nomenclature:</b> 2622 - Minesweeping System Replacement						<b>Aggregated Item Name:</b> MINESWEEPING SYSTEM REPLACEMENT		
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty <small>(Each)</small></b>	<b>Unit Cost <small>(\$)</small></b>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
<b>6) LV078 - HFWB</b>												
†6.1) AN/SQQ-32(V)4		2010	BAE NASHUA NH / NASHUA NH	C / FFP	NAVSEA	Sep 2010	Nov 2011	4	0.00	Y		
†6.1) AN/SQQ-32(V)4		2011	BAE NASHUA NH / NASHUA NH	C / FFP	NAVSEA	Jan 2011	Mar 2012	5	5,850,000.00	Y		
†6.1) AN/SQQ-32(V)4		2013	BAE NASHUA NH / NASHUA NH	C / FFP	NAVSEA	Jan 2013	Mar 2014	3	11,607,333.33	N		
<b>13) LV085 - MAGNETIC SILENCING FACILITY UPGRADES</b>												
†13.1) MSF PEARL HARBOR TREATMENT UPGRADE		2008	VARIOUS / VARIOUS	TBD	NAVSEA	Mar 2008	Sep 2011	1	1,375,000.00	N	Jun 2008	Dec 2007
†13.3) MSF MEASUREMENT SYSTEM UPGRADE		2008	VARIOUS / VARIOUS	C / TBD	NAVSEA	Mar 2008	Jun 2013	1	3,400,000.00	Y	Jun 2008	Dec 2007
<b>Remarks:</b>												

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy																						<b>Date:</b> February 2012								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7										<b>P-1 Line Item Nomenclature:</b> 2622 - Minesweeping System Replacement										<b>Aggregated Item Name:</b> MINESWEEPING SYSTEM REPLACEMENT										
<b>COST ELEMENTS</b> Units in Each							<b>Fiscal Year 2011</b>										<b>Fiscal Year 2012</b>													
<b>O C O</b>	<b>MFR Ref #</b>	<b>FY</b>	<b>SERVICE<sup>±</sup></b>	<b>PROC QTY</b>	<b>ACCEP PRIOR TO 1 OCT</b>	<b>BAL DUE AS OF 1 OCT</b>	<b>Calendar Year 2011</b>										<b>Calendar Year 2012</b>													
							<b>O C T</b>	<b>N O V</b>	<b>D E C</b>	<b>J A N</b>	<b>F E B</b>	<b>M A R</b>	<b>A P R</b>	<b>M A Y</b>	<b>J U N</b>	<b>J U L</b>	<b>A U G</b>	<b>S E P</b>	<b>O C T</b>	<b>N O V</b>	<b>D E C</b>	<b>J A N</b>	<b>F E B</b>	<b>M A R</b>	<b>A P R</b>	<b>M A Y</b>	<b>J U N</b>	<b>J U L</b>	<b>A U G</b>	<b>S E P</b>
6) LV078 - HFWB																														
6.1) AN/SQQ-32(V)4																														
	7	2010	NAVY	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1							
	7	2011	NAVY	5	0	5	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1	1
	7	2013	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
13) LV085 - MAGNETIC SILENCING FACILITY UPGRADES																														
13.1) MSF PEARL HARBOR TREATMENT UPGRADE																														
	8	2008	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1										
13.3) MSF MEASUREMENT SYSTEM UPGRADE																														
	9	2008	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
							<b>O C T</b>	<b>N O V</b>	<b>D E C</b>	<b>J A N</b>	<b>F E B</b>	<b>M A R</b>	<b>A P R</b>	<b>M A Y</b>	<b>J U N</b>	<b>J U L</b>	<b>A U G</b>	<b>S E P</b>	<b>O C T</b>	<b>N O V</b>	<b>D E C</b>	<b>J A N</b>	<b>F E B</b>	<b>M A R</b>	<b>A P R</b>	<b>M A Y</b>	<b>J U N</b>	<b>J U L</b>	<b>A U G</b>	<b>S E P</b>

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7		<b>P-1 Line Item Nomenclature:</b> 2622 - Minesweeping System Replacement
		<b>Aggregated Item Name:</b> MINESWEEPING SYSTEM REPLACEMENT

COST ELEMENTS Units in Each							Fiscal Year 2013													Fiscal Year 2014												
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
6) LV078 - HFWB																																
6.1) AN/SQQ-32(V)4																																
	7	2010	NAVY	4	4	0																										
	7	2011	NAVY	5	5	0																										
	7	2013	NAVY	3	0	3	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1		
13) LV085 - MAGNETIC SILENCING FACILITY UPGRADES																																
13.1) MSF PEARL HARBOR TREATMENT UPGRADE																																
	8	2008	NAVY	1	1	0																										
13.3) MSF MEASUREMENT SYSTEM UPGRADE																																
	9	2008	NAVY	1	0	1	-	-	-	-	-	-	-	-	1																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2622 - Minesweeping System Replacement	<b>Aggregated Item Name:</b> MINESWEEPING SYSTEM REPLACEMENT

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	BAE NASHUA NH - NASHUA NH	2	4	8	0	0	14	14	0	0	14	14
2	VARIOUS - VARIOUS	0	0	0	0	0	0	0	0	0	0	0
3	VARIOUS - VARIOUS	0	0	0	0	0	0	0	0	0	0	0

**Remarks:**  
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2624 - Shallow Water Mine CM Ship
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Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	27.027	1.254	1.048	6.950	-	6.950	6.452	7.099	27.231	27.778	0.000	104.839
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	27.027	1.254	1.048	6.950	-	6.950	6.452	7.099	27.231	27.778	0.000	104.839
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	27.027	1.254	1.048	6.950	-	6.950	6.452	7.099	27.231	27.778	0.000	104.839
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.429	0.048	0.046	-	0.046	0.100	0.084	0.960	0.809	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program provides a combination of US Navy projects planned to counter the threat to amphibious landing forces from known and projected foreign land/sea mines, obstacles in the beach zone and surf zone approaches to amphibious assault areas. It is a system of systems (Countermine/Counter Obstacle, Intelligence/Surveillance/Reconnaissance/Targeting (ISR/T), Navigation/Virtual Marking/Integration, C4I/Data Fusion) to provide a full assault breaching capability. This program is an essential element to the Marine Corps Ship To Objective Maneuver (STOM) Concept of Operations.

[P40A / SW003: LANDING CRAFT UTILITY (LCU) NAVIGATION UPGRADE]: Landing Craft Utility (LCU) Navigation Upgrade (SW003): Modernize the navigation system to enable safe transit through the breached lane.

[P40A / SW004: COASTAL BATTLEFIELD RECONNAISSANCE AND ANALYSIS (COBRA)]: Coastal Battlefield Reconnaissance and Analysis (COBRA) (SW004): The Intelligence, Surveillance, Reconnaissance/Targeting (ISR/T) part of the Assault Breaching System (ABS) of systems. One System consists of two Airborne Mine Counter Measures (AMCM) Payloads and one Post Mission Analysis (PMA) Station. Under the umbrella of evolutionary acquisition, three increments of development are planned. Block I introduces a daytime, surface laid minefield and obstacle detection capability for the Beach Zone. Block II adds a surfzone and night (darkness) detection capability. Block III adds a buried mine detection capability and on-board Near-Real-Time processing of Multi Spectral Imagery data. COBRA will be a modular payload architecture of, and integrated with, the MQ-8B Fire Scout Vertical Takeoff and Landing Unmanned Aerial Vehicle (VTUAV) and will serve as the "detect" mission module of the Littoral Combat Ship (LCS) Mine Warfare mission package.

[P40A / SW005: AMPHIBIOUS ASSAULT VEHICLE NAVIGATION UPGRADE]: Amphibious Assault Vehicle (AAV) Navigation Upgrade (SW005): Modernize the Landing Craft Units' (LCUs) navigation system to enable precise transit through the breached lane.

[P40A / SW061: LANDING CRAFT AIR CUSHION (LCAC) AUTOPILOT UPGRADE]: Landing Craft Air Cushion (LCAC) Autopilot Upgrade (SW061): An integrated improvement to the LCAC (Service Life Extension Program (SLEP) craft only) navigation system for craft control that allows precise navigation and hovering within the breached lane. (Upgrade software and backfit.)





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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Nomenclature:										Aggregated Item Name:					
1810N / BA 2 / BSA 7				2624 - Shallow Water Mine CM Ship										Shallow Water Mine CM Ship					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) SW003: LANDING CRAFT UTILITY (LCU) NAVIGATION UPGRADE</b>																			
1.1) LCU NAVIGATION UPGRADES	B	-	-	1.479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) SW003: LANDING CRAFT UTILITY (LCU) NAVIGATION UPGRADE</i>				1.479			0.000			0.000			0.000			0.000			0.000
<b>2) SW004: COASTAL BATTLEFIELD RECONNAISSANCE AND ANALYSIS (COBRA)</b>																			
2.1) SW0041 COBRA BLOCK 1	A	-	-	3.267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) SW00411 COBRA BLOCK 1 SPARES, TRAINING	A	-	-	2.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) SW00411 COBRA BLOCK 1 MOD UPGRADES	A	-	-	13.462	-	-	-	-	-	-	-	5.840	-	-	-	-	-	-	5.840
2.4) SW0042 COBRA BLOCK 2	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) SW0042 COBRA BLOCK 2 MOD UPGRADES	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) SW004: COASTAL BATTLEFIELD RECONNAISSANCE AND ANALYSIS (COBRA)</i>				18.763			0.000			0.000			5.840			0.000			5.840
<b>3) SW005: AMPHIBIOUS ASSAULT VEHICLE NAVIGATION UPGRADE</b>																			
3.1) AMPHIBIOUS ASSAULT VEHICLE NAVIGATION UPGRADE	A	-	-	3.620	-	-	1.100	-	-	1.048	-	-	1.110	-	-	-	-	-	1.110
<i>Subtotal 3) SW005: AMPHIBIOUS ASSAULT VEHICLE</i>				3.620			1.100			1.048			1.110			0.000			1.110

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 7 **P-1 Line Item Nomenclature:** 2624 - Shallow Water Mine CM Ship **Aggregated Item Name:** Shallow Water Mine CM Ship

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
NAVIGATION UPGRADE																			
<b>4) SW061: LANDING CRAFT AIR CUSHION (LCAC) AUTOPILOT UPGRADE</b>																			
4.1) LCAC AUTOPILOT UPGRADES	B	-	-	2.132	-	-	0.154	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) SW061: LANDING CRAFT AIR CUSHION (LCAC) AUTOPILOT UPGRADE</i>				2.132			0.154			0.000			0.000			0.000			0.000
<b>5) SW830: PRODUCTION ENGINEERING</b>																			
5.1) PRODUCTION ENGINEERING	B	-	-	1.033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) SW830: PRODUCTION ENGINEERING</i>				1.033			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>27.027</b>			<b>1.254</b>			<b>1.048</b>			<b>6.950</b>			<b>0.000</b>			<b>6.950</b>

**Remarks:**

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2657 - NAVSTAR GPS Receivers (Space)
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ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	142.882	9.269	9.926	9.089	-	9.089	11.810	17.640	16.670	16.463	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	142.882	9.269	9.926	9.089	-	9.089	11.810	17.640	16.670	16.463	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	142.882	9.269	9.926	9.089	-	9.089	11.810	17.640	16.670	16.463	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	0.086	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

NAVSTAR Global Positioning System (NAVSTAR GPS) provides assured and protected navigation solutions to war fighters through supported, affordable, and integrated systems, and is the primary source of positioning, navigation and timing information for the DoD.

[P40A / (1R009) Navigation Sensor System Interface (NAVSSI) FMP]: NAVSSI procurement and installation is required to provide GPS and other positioning, navigation and timing sensor data to ship-board Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR), combat and weapons Systems. NAVSSI provides the required positioning, navigation, and timing data for the calculation and display of electronic charts. NAVSSI is the only available system that performs the full functions of collection, integration, and distribution of positioning, navigation and timing data. Precision positioning, navigation, and timing data is required to allow a common and correlated ship-to-ship tactical and operational picture.

[P40A / (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit]: NAVSSI procurement and installation is required to provide GPS and other positioning, navigation and timing sensor data to ship-board Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR), Combat, and Weapons Systems. NAVSSI provides the required positioning, navigation, and timing data for the calculation and display of electronic charts. NAVSSI is the only available system that performs the full functions of collection, integration, and distribution of positioning, navigation and timing data. Precision positioning, navigation, and timing data is required to allow a common and correlated ship-to-ship tactical and operational picture.

[P40A / (1R013) Navigation Warfare (NAVWAR)]: NAVWAR ensures that U. S. military forces maintain access to the GPS in an electronically challenging battle space, delivers the capability to deny adversaries access to and use of GPS during military operations, and serves to preserve the peaceful use of GPS. Navy GPS Enhanced User Equipment (UE) Operational Requirements Document directs that future UE will incorporate an increased anti-jam capability. NAVWAR counters the threat by increasing resistance to intentional or unintentional interference. Sea NAVWAR Strategy comprises of 3 program increments, the first increment (near term) is to install GPS anti-jam antennas system (GAS-1) on surface platforms. The second increment (long term) is to install Advanced Digital Antenna Production (ADAP) antennas on surface platforms. The ADAP antenna improves upon GAS-1 performance by providing simultaneous dual frequency nulling, and built in test ability. The third increment will install GPS GAS-1 system on submarines which the technology solution has not yet been determined. The Capabilities Production Document for NAVWAR Increment 2 dated December 2008 was approved to support ADAP antenna development. Procurement and installation of anti-jam GPS antennas and modernized user equipment is required to ensure the continuation of GPS signals from space in a hostile jamming environment. The Sea NAVWAR program will equip selected ships and submarines with anti-jam GPS antennas to ensure the continued availability of GPS to support surface and subsurface combat operations and provide reliable GPS and other positioning, navigation and timing data to ship-board C4ISR, Combat, and Weapons Systems. Sea NAVWAR will continue procurement of system quantities in FY13.

[P40A / (1R018) Defense Advance GPS Receiver (DAGR) ]: DAGR is a GPS handheld receiver replacing the obsolete Precision Lightweight GPS Receiver (PLGR). DAGR is a Selected Availability/Anti-Spoofing Module (SAASM)-compliant handheld GPS receiver. The GPS Joint Program Office is the procuring office for the purchase of DAGRs for U.S. forces.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2657 - NAVSTAR GPS Receivers (Space)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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[P40A / (1R019) Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (GPNTS)]: GPNTS will be a single program of record satisfying U.S. Navy surface and subsurface platforms as well as potential U.S. Coast Guard and Foreign Military customers. GPNTS will meet current and emerging Positioning, Navigation and Timing (PNT) requirements of the fleet by providing modernized pervasive, robust, secure, integrated, and interoperable net centric capabilities to surface and subsurface platforms. GPNTS will be designed to accommodate back fit of current legacy PNT systems and forward fit for new platforms. The GPNTS system will be a replacement of the GPS Versa Module Euro card Receiver Card, the AN/WRN-6(V), and the Navigation Sensor System Interface (NAVSSI). The GPNTS system will provide an end to end PNT solution. The system will include the SAASM receiver card as well as an anti-jam GPS antenna. Future capabilities will migrate toward a Common Computing Environment such as Consolidated Afloat Networks Enterprise Services (CANES).

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
NAVSTAR GPS Receivers (Space) (See enclosed P-40A)	P40A, P5A, P21				142.882			9.269			9.926			9.089			0.000			9.089
<b>Total Gross/Weapon System Cost</b>					<b>142.882</b>			<b>9.269</b>			<b>9.926</b>			<b>9.089</b>			<b>-</b>			<b>9.089</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 Navigation Sensor System Interface (NAVSSI, FMP and Retrofit) - NAVSSI will continue procurement of retrofits in FY13 to support fleet requirements.  
  
 Navigation Warfare (NAVWAR) - Sea NAVWAR will continue procurement of system quantities in FY13.  
  
 Defense Advance GPS Receiver (DAGR) - Initial procurement began in October 2003 with DAGRs now being procured on a semi-annual basis to meet Naval Special Warfare Forces operational requirements.

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7					P-1 Line Item Nomenclature: 2657 - NAVSTAR GPS Receivers (Space)										Aggregated Item Name: NAVSTAR GPS Receivers (Space)				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) (1R009) Navigation Sensor System Interface (NAVSSI) FMP</b>																			
† 1.1) NAVSSI FMP	A	-	-	44.020	-	-	-	-	-	-	773.000	1	0.773	-	-	-	773.000	1	0.773
<i>Subtotal 1) (1R009) Navigation Sensor System Interface (NAVSSI) FMP</i>				44.020			0.000			0.000			0.773			0.000			0.773
<b>2) (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit</b>																			
† 2.1) NAVSSI Retrofit	A	-	-	10.589	266.400	5	1.332	268.400	5	1.342	274.000	2	0.548	-	-	-	274.000	2	0.548
<i>Subtotal 2) (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit</i>				10.589			1.332			1.342			0.548			0.000			0.548
<b>3) (1R013) Navigation Warfare (NAVWAR)</b>																			
3.1) NAVWAR INC1 GAS-1	A	-	-	9.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) NAVWAR INC1 GAS-1 Filters (EC)	A	-	-	1.167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 3.3) NAVWAR INC2 ADAP GPA (1)	A	-	-	1.634	-	-	-	37.660	29	1.092	40.770	13	0.530	-	-	-	40.770	13	0.530
† 3.4) NAVWAR INC2 ADAP FOAL	A	-	-	-	175.000	9	1.575	224.250	8	1.794	225.000	7	1.575	-	-	-	225.000	7	1.575
3.5) NAVWAR INC3 SAS SUBS	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) (1R013) Navigation Warfare (NAVWAR)</i>				11.835			1.575			2.886			2.105			0.000			2.105
<b>4) (1R018) Defense Advance GPS Receiver (DAGR)</b>																			
† 4.1) DAGR (2)	A	-	-	-	3.205	425	1.362	3.280	349	1.146	3.350	210	0.703	-	-	-	3.350	210	0.703
<i>Subtotal 4) (1R018) Defense Advance GPS Receiver (DAGR)</i>				0.000			1.362			1.146			0.703			0.000			0.703

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7					P-1 Line Item Nomenclature: 2657 - NAVSTAR GPS Receivers (Space)										Aggregated Item Name: NAVSTAR GPS Receivers (Space)				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>5) (1R019) Global Positioning System (GPS) - based Positioning, Navigation &amp; Timing Service (</b>																			
5.1) GPNTS <sup>(3)</sup>	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 5) (1R019) Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) (1R555) Production Support</b>																			
6.1) NAVSSI FMP	A	-	-	7.995	-	-	-	-	-	-	-	-	0.047	-	-	-	-	-	0.047
6.2) NAVSSI Retrofit	A	-	-	3.922	-	-	0.066	-	-	0.081	-	-	0.052	-	-	-	-	-	0.052
6.3) NAVWAR	A	-	-	2.300	-	-	0.095	-	-	0.142	-	-	0.126	-	-	-	-	-	0.126
6.4) DAGR	A	-	-	-	-	-	0.071	-	-	0.058	-	-	0.036	-	-	-	-	-	0.036
6.5) GPNTS	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 6) (1R555) Production Support				14.217			0.232			0.281			0.261			0.000			0.261
<b>7) (1R777) FMP Install - NAVSTAR GPS Ship</b>																			
7.1) NAVSSI FMP	A	-	-	40.145	-	-	1.000	-	-	-	-	-	0.834	-	-	-	-	-	0.834
7.2) NAVSSI Retrofit	A	-	-	9.607	-	-	1.433	-	-	2.209	-	-	1.226	-	-	-	-	-	1.226
7.3) NAVWAR	A	-	-	4.927	-	-	1.394	-	-	0.790	-	-	1.717	-	-	-	-	-	1.717
7.4) GPNTS	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 7) (1R777) FMP Install - NAVSTAR GPS Ship				54.679			3.827			2.999			3.777			0.000			3.777
<b>8) (1R777) FMP DSA - NAVSTAR GPS Ship</b>																			
8.1) NAVSSI FMP	A	-	-	3.825	-	-	0.075	-	-	-	-	-	0.306	-	-	-	-	-	0.306
8.2) NAVSSI Retrofit	A	-	-	2.135	-	-	0.317	-	-	0.495	-	-	0.330	-	-	-	-	-	0.330
8.3) NAVWAR	A	-	-	1.582	-	-	0.549	-	-	0.777	-	-	0.286	-	-	-	-	-	0.286
8.4) GPNTS	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 8) (1R777) FMP DSA - NAVSTAR GPS Ship				7.542			0.941			1.272			0.922			0.000			0.922

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2657 - NAVSTAR GPS Receivers (Space)	<b>Aggregated Item Name:</b> NAVSTAR GPS Receivers (Space)
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Total</b>				142.882			9.269			9.926			9.089			0.000			9.089

**Remarks:**

(1) 1R013 NAVWAR INC2 ADAP/ADAP FOAL unit costs are affected by estimated exchange rate (units procured from Raytheon Sys. Ltd in the United Kingdom), inflation, group purchase pricing fluctuations with GPS Directorate

(2) 1R018 DAGR/GPS Handhelds FY11-17 unit cost variances based on projected joint service component group buys at GPS Directorate-LAAFB to include the basic unit & accessories (min/max \$3K/\$4K).

(3) 1R019 GPNTS FY15-17 unit cost for each procured Shipset is a Dual Redundant Sytem consisting of (2) Racks & (2) Anti-Jam Antenna.

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 7				P-1 Line Item Nomenclature: 2657 - NAVSTAR GPS Receivers (Space)						Aggregated Item Name: NAVSTAR GPS Receivers (Space)		
Cost Elements († indicates the presence of a P-21)	OC O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) (1R009) Navigation Sensor System Interface (NAVSSI) FMP</b>												
†1.1) NAVSSI FMP <sup>(4)</sup>		2013	L3/SERCO / San Diego	C / FFP	SPAWAR	Dec 2012	Apr 2013	1	773.000	Y		Apr 2008
<b>2) (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit</b>												
†2.1) NAVSSI Retrofit <sup>(5)</sup>		2011	L3/SERCO / San Diego	C / FFP	SPAWAR	Apr 2011	Jul 2011	5	266.400	Y		Apr 2008
†2.1) NAVSSI Retrofit <sup>(6)</sup>		2012	L3/SERCO / San Diego	C / FFP	SPAWAR	Dec 2011	Mar 2012	5	268.400	Y		Apr 2008
†2.1) NAVSSI Retrofit <sup>(7)</sup>		2013	L3/SERCO / San Diego	C / FFP	SPAWAR	Dec 2012	Mar 2013	2	274.000	Y		Apr 2008
<b>3) (1R013) Navigation Warfare (NAVWAR)</b>												
†3.3) NAVWAR INC2 ADAP GPA <sup>(8)</sup>		2012	RSL / United Kingdom	C / FFP	GPS Wing/ SSC PAC	Jan 2012	Oct 2012	29	37.660	Y		Feb 2010
†3.3) NAVWAR INC2 ADAP GPA <sup>(9)</sup>		2013	RSL / United Kingdom	C / CPFF	GPS Wing/ SC PAC	Jan 2013	Oct 2013	13	40.770	Y		Feb 2010
†3.4) NAVWAR INC2 ADAP FOAL		2011	RSL / United Kingdom	C / FFP	GPS Wing/ SC PAC	Mar 2011	Dec 2011	9	175.000	Y		Feb 2010
†3.4) NAVWAR INC2 ADAP FOAL		2012	RSL / United Kingdom	C / FFP	GPS Wing/ SC PAC	Jan 2012	Oct 2012	8	224.250	Y		Feb 2010
†3.4) NAVWAR INC2 ADAP FOAL		2013	RSL / United Kingdom	C / FFP	GPS Wing/ SC PAC	Jan 2013	Oct 2013	7	225.000	Y		Feb 2010
<b>4) (1R018) Defense Advance GPS Receiver (DAGR)</b>												
†4.1) DAGR <sup>(10)</sup>		2011	Rockwell Collins / GPS Wing	C / FFP	GPS Wing	Jun 2011	Nov 2011	425	3.205	Y		Jan 2006
†4.1) DAGR <sup>(11)</sup>		2012	Rockwell Collins / GPS Wing	C / FFP	GPS Wing	Jan 2012	Jun 2012	349	3.280	Y		Jan 2006
†4.1) DAGR <sup>(12)</sup>		2013	Rockwell Collins / GPS Wing	C / FFP	GPW Wing	Jan 2013	Jun 2013	210	3.350	Y		Jan 2006
<b>Remarks:</b> <sup>(4)</sup> NAVSSI FMP & Retrofit MSR is also supported from OCF, SCN and FMS to sustain the production line.; <sup>(5)</sup> NAVSSI FMP & Retrofit MSR is also supported from OCF, SCN and FMS to sustain the production line.; <sup>(6)</sup> NAVSSI FMP & Retrofit MSR is also supported from OCF, SCN and FMS to sustain the production line.; <sup>(7)</sup> NAVSSI FMP & Retrofit MSR is also supported from OCF, SCN and FMS to sustain the production line.; <sup>(8)</sup> Product delivery MRS rates for 1R013 NAVWAR ADAP are based on joint buy scheduling . The GPS Directorate at Los Angeles Air Force Base is the cognizant PCO for this contract.; <sup>(9)</sup> Product delivery MRS rates for 1R013 NAVWAR ADAP are based on joint buy scheduling . The GPS Directorate at Los Angeles Air Force Base is the cognizant PCO for this contract.; <sup>(10)</sup> Product delivery MRS rates for 1R018 DAGR/GPS Handhelds are based on joint buy scheduling . The GPS Directorate at Los Angeles Air Force Base is the cognizant PCO for this contract.; <sup>(11)</sup> Product delivery MRS rates for 1R018 DAGR/GPS Handhelds are based on joint buy scheduling . The GPS Directorate at Los Angeles Air Force Base is the cognizant PCO for this contract.; <sup>(12)</sup> Product delivery MRS rates for 1R018 DAGR/GPS Handhelds are based on joint buy scheduling . The GPS Directorate at Los Angeles Air Force Base is the cognizant PCO for this contract.;												



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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 7 **P-1 Line Item Nomenclature:** 2657 - NAVSTAR GPS Receivers (Space) **Aggregated Item Name:** NAVSTAR GPS Receivers (Space)

COST ELEMENTS Units in Each							Fiscal Year 2011													Fiscal Year 2012												
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2011													Calendar Year 2012												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
1) (1R009) Navigation Sensor System Interface (NAVSSI) FMP																																
1.1) NAVSSI FMP																																
10	2013	NAVY		1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
2) (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit																																
2.1) NAVSSI Retrofit																																
11	2011	NAVY		5	0	5	-	-	-	-	-	-	-	A -	-	-	1	1	1	1	1											
11	2012	NAVY		5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	1	1	1	1	1				
11	2013	NAVY		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2				
3) (1R013) Navigation Warfare (NAVWAR)																																
3.3) NAVWAR INC2 ADAP GPA																																
12	2012	NAVY		29	0	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29				
12	2013	NAVY		13	0	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13				
3.4) NAVWAR INC2 ADAP FOAL																																
13	2011	NAVY		9	0	9	-	-	-	-	-	-	A -	-	-	-	-	-	-	-	-	3	3	2	1							
13	2012	NAVY		8	0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	8				
13	2013	NAVY		7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7				
4) (1R018) Defense Advance GPS Receiver (DAGR)																																
4.1) DAGR																																
14	2011	NAVY		425	0	425	-	-	-	-	-	-	-	-	A -	-	-	-	-	-	35	35	35	35	35	35	35	35				
14	2012	NAVY		349	0	349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A -	-	-	-	-	29	29				
14	2013	NAVY		210	0	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 7 **P-1 Line Item Nomenclature:** 2657 - NAVSTAR GPS Receivers (Space) **Aggregated Item Name:** NAVSTAR GPS Receivers (Space)

COST ELEMENTS Units in Each							Fiscal Year 2013													Fiscal Year 2014											
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
1) (1R009) Navigation Sensor System Interface (NAVSSI) FMP																															
1.1) NAVSSI FMP																															
	10	2013	NAVY	1	0	1	-	-	A -	-	-	-	-	1																	
2) (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit																															
2.1) NAVSSI Retrofit																															
	11	2011	NAVY	5	5	0																									
	11	2012	NAVY	5	5	0																									
	11	2013	NAVY	2	0	2	-	-	A -	-	-	-	1	1																	
3) (1R013) Navigation Warfare (NAVWAR)																															
3.3) NAVWAR INC2 ADAP GPA																															
	12	2012	NAVY	29	0	29	2	2	2	2	4	4	4	4	5																
	12	2013	NAVY	13	0	13	-	-	-	A -	-	-	-	-	-	-	-	4	3	4	2										
3.4) NAVWAR INC2 ADAP FOAL																															
	13	2011	NAVY	9	9	0																									
	13	2012	NAVY	8	0	8	2	2	2	2																					
	13	2013	NAVY	7	0	7	-	-	-	A -	-	-	-	-	-	-	-	2	3	2											
4) (1R018) Defense Advance GPS Receiver (DAGR)																															
4.1) DAGR																															
	14	2011	NAVY	425	389	36	36																								
	14	2012	NAVY	349	116	233	29	29	29	29	29	29	29	30																	
	14	2013	NAVY	210	0	210	-	-	-	A -	-	-	-	-	17	17	17	17	17	17	18	18	18	18	18	18	18				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2657 - NAVSTAR GPS Receivers (Space)	<b>Aggregated Item Name:</b> NAVSTAR GPS Receivers (Space)

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	L3/SERCO - San Diego	48	168	288	0	2	4	6	0	2	4	6
2	L3/SERCO - San Diego	48	360	576	0	2	3	5	0	2	3	5
3	RSL - United Kingdom	250	480	1272	0	3	9	12	0	3	9	12
4	RSL - United Kingdom	250	480	1272	0	3	9	12	0	3	9	12
5	Rockwell Collins - GPS Wing	24	119	2500	0	3	5	8	0	3	5	8

**Remarks:**  
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 7 : Other Ship Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2666 - American Forces Radio and TV Service (AFRTS)

ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	18.601	3.311	4.370	7.768	-	7.768	7.913	8.109	6.891	7.009	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	18.601	3.311	4.370	7.768	-	7.768	7.913	8.109	6.891	7.009	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	18.601	3.311	4.370	7.768	-	7.768	7.913	8.109	6.891	7.009	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.478	0.466	0.514	-	0.514	0.551	0.516	-	-	0.000	2.525
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

K0001: American Forces Radio and Television Service (AFRTS) Program - AFRTS shipboard systems provide Command Information to deployed Sailors and Marines, and allow for the distribution of AFRTS programming in order to provide situational awareness for forward deployed commanders with real-time news and information. The systems also provide programming to Sailors and Marines at sea worldwide as a Navy Quality of Life (QOL) initiative, staying in compliance with the Chief of Naval (CNO) Shipboard Habitability Program. These systems contribute significantly to the habitability of Navy ships by providing and distributing news, command information, training, and entertainment programming using the latest technology available. These systems improve morale, combat effectiveness and retention rates of deployed personnel. All AFRTS systems use Commercial-Off-the-Shelf (COTS) equipment. Fleet Support Detachments (FSDs) are the installing agents for these systems. Each component replacement is made based on ship availability and coordinated through the TYCOM's.

[P40A / K0830 - Production Engineering]: Supports review and approval of any production contract technical documentation, or the separate development of this documentation to include signal flow diagrams, Preventive Maintenance Services (PMS), production drawings, provisioning technical documentation (PTD), Integrated Logistic Support (ILS), Program Support Data (PSD), Allowance Parts List (APL's) and engineering in support of final design reviews.

[P40A / K0INS - Non FMP Installation]: Supports the installation of SITE, TV-DTS (TV-Direct to Sailor), system onboard Navy ships. Installations are performed by DMAA Fleet Support Detachments and are based on TYCOM nominations.

[P3A / K0001 - Site Digital Server]: SITE Digital Server - The SITE digital upgrade installs a digital based video server within each SITE system. The Video Server allows for AFRTS programming and Navy Motion Picture Service Movies to be stored within the SITE system, adhering to Motion Picture Association of America Digital Rights Management standards. Media is decrypted at moment of playback. Hard drive/server allows for 30-day automated playback. Automated playlist is standard with pre-programmed, 30-day schedule, and the ship has the ability to modify as necessary. Each server installation is made based on ship availability by the FSD as the installing agents.

[P3A / K0001 - Site CCTV - Digital/200]: SITE (Shipboard Information Training & Entertainment) CCTV (Closed Circuit TV) - Digital/200 is the next generation of the SITE 2000/200. This system is a digitally-based replacement for the 2000/200 playback. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

[P3A / K0001 - Site CCTV - Digital/300]: SITE CCTV - Digital/300 is the next generation of the SITE 2000/300. This system is a digitally-based replacement for the 2000/300 playback. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 7 : Other Ship Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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[P3A / K0001 - Site CCTV - Digital/400]: SITE CCTV - Digital/400 - is the next generation of the SITE 2000/400. This system is a digitally-based replacement for the 2000/400 playback. Requires manpower of one dedicated technician and operator. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

[P3A / K0001 - Site CCTV - Digital/500]: SITE CCTV - Digital/500 - is the next generation of the SITE 2000/500. This system is digitally-based replacement for the 2000/500 playback. Requires manpower of two dedicated technicians and three operators. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/repair agents.

[P3A / K0001 - Circuit 27TV Upgrade]: Circuit 27TV Upgrade - Upgrade to 14TV head end only that will allow onboard SITE system to distribute Television Direct To Sailors (TV-DTS), AFRTS and pier-side cable commercial programming. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

[P3A / K0001 - Site COTS Refresh/300]: SITE COTS Refresh will upgrade digital components in the next generation of the Digital SITE 300 system.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
American Forces Radio and TV Service (AFRTS) (See enclosed P-40A)	P40A				7.458			3.111			3.302			4.152			0.000			4.152
K0001 - Site Digital Server - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.873	-	-	2.231	-	-	0.000	-	-	2.231
K0001 - Site CCTV - Digital/200 - 2	P3A		-	-	1.663	-	-	0.020	-	-	0.025	-	-	0.000	-	-	0.000	-	-	0.000
K0001 - Site CCTV - Digital/300 - 3	P3A		-	-	7.905	-	-	0.040	-	-	0.010	-	-	0.765	-	-	0.000	-	-	0.765
K0001 - Site CCTV - Digital/400 - 4	P3A		-	-	0.110	-	-	0.030	-	-	0.050	-	-	0.270	-	-	0.000	-	-	0.270
K0001 - Site CCTV - Digital/500 - 5	P3A		-	-	1.465	-	-	0.110	-	-	0.110	-	-	0.110	-	-	0.000	-	-	0.110
K0001 - Circuit 27TV Upgrade - 6	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.240	-	-	0.000	-	-	0.240
K0001 - Site COTS Refresh/300 - 7	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					<b>18.601</b>			<b>3.311</b>			<b>4.370</b>			<b>7.768</b>			<b>-</b>			<b>7.768</b>

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 7 : Other Ship Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2666 - American Forces Radio and TV Service (AFRTS)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
American Forces Radio and TV Service (AFRTS) (See enclosed P-40A)	P40A				0.000			0.000			0.000			0.000			0.000			0.000
K0001 - Site Digital Server - 1	P3A		-	-	2.231	-	-	2.231	-	-	0.970	-	-	0.200	-	-	0.000	-	-	8.736
K0001 - Site CCTV - Digital/200 - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1.708
K0001 - Site CCTV - Digital/300 - 3	P3A		-	-	0.935	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	9.655
K0001 - Site CCTV - Digital/400 - 4	P3A		-	-	0.540	-	-	0.450	-	-	0.450	-	-	0.600	-	-	0.000	-	-	2.500
K0001 - Site CCTV - Digital/500 - 5	P3A		-	-	0.110	-	-	0.110	-	-	0.110	-	-	0.115	-	-	0.000	-	-	2.240
K0001 - Circuit 27TV Upgrade - 6	P3A		-	-	0.160	-	-	0.160	-	-	0.160	-	-	0.000	-	-	0.000	-	-	0.720
K0001 - Site COTS Refresh/300 - 7	P3A		-	-	0.000	-	-	0.630	-	-	0.720	-	-	1.425	-	-	0.000	-	-	2.775
<b>Total Gross/Weapon System Cost</b>					<b>7.913</b>			<b>8.109</b>			<b>6.891</b>			<b>7.009</b>			-			-

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Aggregated Item Name:</b> American Forces Radio and TV Service (AFRTS)
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) K0830 - Production Engineering</b>																			
1.1) Production Engineering	A	-	-	5.121	-	-	2.926	-	-	3.112	-	-	3.959	-	-	-	-	-	3.959
<i>Subtotal 1) K0830 - Production Engineering</i>				5.121			2.926			3.112			3.959			0.000			3.959
<b>2) K0INS - Non FMP Installation</b>																			
2.1) Non-FMP Installation	A	-	-	2.337	-	-	0.185	-	-	0.190	-	-	0.193	-	-	-	-	-	0.193
<i>Subtotal 2) K0INS - Non FMP Installation</i>				2.337			0.185			0.190			0.193			0.000			0.193
<b>Total</b>				<b>7.458</b>			<b>3.111</b>			<b>3.302</b>			<b>4.152</b>			<b>0.000</b>			<b>4.152</b>



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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Aggregated Item Name:</b> American Forces Radio and TV Service (AFRTS)
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Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) K0830 - Production Engineering</b>																			
1.1) Production Engineering	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) K0830 - Production Engineering</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) K0INS - Non FMP Installation</b>																			
2.1) Non-FMP Installation	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) K0INS - Non FMP Installation</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site Digital Server - 1

<b>Models of Systems Affected:</b> Site Digital Server	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.873	2.231	0.000	2.231	2.231	2.231	0.970	0.200	0.000	8.736
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.873	2.231	0.000	2.231	2.231	2.231	0.970	0.200	0.000	8.736
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.873</b>	<b>2.231</b>	<b>0.000</b>	<b>2.231</b>	<b>2.231</b>	<b>2.231</b>	<b>0.970</b>	<b>0.200</b>	<b>0.000</b>	<b>8.736</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Site Digital Server

[Site Digital Server] SITE Digital Server - The SITE digital upgrade installs a digital based video server within each SITE system. The Video Server allows for AFRTS programming and Navy Motion Picture Service Movies to be stored within the SITE system, adhering to Motion Picture Association of America Digital Rights Management standards. Media is decrypted at moment of playback. Hard drive/server allows for 30-day automated playback. Automated playlist is standard with pre-programmed, 30-day schedule. Ship has the ability to modify as necessary. Each server installation is made based on ship availability by the FSD as the installing agents.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7					<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site Digital Server - 1			
<b>Models of Systems Affected:</b> Site Digital Server				<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
K0001 - Site Digital Server													
B Kits													
Recurring													
1.1.1) Site Digital Server - NonOrganic													
	-	-	-	-	9	0.873	23	2.231	-	-	23	2.231	
<i>Subtotal Recurring</i>		0.000	0.000			0.873		2.231	0.000			2.231	
<i>Total, K0001 - Site Digital Server</i>		-	-	-	9	0.873	23	2.231	-	-	23	2.231	
<i>Total, All Modifications</i>		0.000	0.000			0.873		2.231	0.000			2.231	
<i>Procurement Cost (Procurement + Support)</i>		0.000	0.000			0.873		2.231	0.000			2.231	
<i>Total Installation Cost</i>		0.000	0.000			0.000		0.000	0.000			0.000	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>	<b>0.000</b>			<b>0.873</b>		<b>2.231</b>	<b>0.000</b>			<b>2.231</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
K0001 - Site Digital Server													
B Kits													
Recurring													
1.1.1) Site Digital Server - NonOrganic													
	23	2.231	23	2.231	10	0.970	2	0.200	-	-	90	8.736	
<i>Subtotal Recurring</i>		2.231	2.231		0.970		0.200	0.000				8.736	
<i>Total, K0001 - Site Digital Server</i>		23	2.231	23	2.231	10	0.970	2	0.200	-	-	90	
<i>Total, All Modifications</i>		2.231	2.231		0.970		0.200	0.000				8.736	
<i>Procurement Cost (Procurement + Support)</i>		2.231	2.231		0.970		0.200	0.000				8.736	
<i>Total Installation Cost</i>		0.000	0.000		0.000		0.000	0.000				0.000	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>2.231</b>	<b>2.231</b>		<b>0.970</b>		<b>0.200</b>	<b>0.000</b>				<b>8.736</b>	
<b>Remarks:</b>													
<b>Manufacturer Information: K0001 - Site Digital Server</b>													
Manufacturer Name: Various						Manufacturer Location: Various							

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site Digital Server - 1

<b>Models of Systems Affected:</b> Site Digital Server	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Manufacturer Information:</b> K0001 - Site Digital Server							
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Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 2			
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Aug 2011	Jan 2012	Dec 2012				
Delivery Dates	Sep 2011	Mar 2012	Feb 2013				

<b>Installation:</b> K0001 - Site Digital Server	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site Digital Server
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	9	0.000	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	23	0.000	0	0.000	23	0.000
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	9	0.000	23	0.000	0	0.000	23	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	9	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	23	0.000
FY 2014	23	0.000	-	-	-	-	-	-	-	-	23	0.000
FY 2015	-	-	23	0.000	-	-	-	-	-	-	23	0.000
FY 2016	-	-	-	-	10	0.000	-	-	-	-	10	0.000
FY 2017	-	-	-	-	-	-	2	0.000	-	-	2	0.000

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site Digital Server - 1

<b>Models of Systems Affected:</b> Site Digital Server	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> K0001 - Site Digital Server	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site Digital Server
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	23	0.000	23	0.000	10	0.000	2	0.000	-	-	90	0.000

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	2	3	4	-	7	8	8	-	8	8	7	-	8	7	8	-	4	3	3	-	1	-	1	-	90
Out	-	-	-	-	-	-	2	3	4	-	7	8	8	-	8	8	7	-	8	7	8	-	4	3	3	-	1	-	1	-	90

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7			<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/200 - 2					

<b>Models of Systems Affected:</b> Site CCTV - Digital/200			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.663	0.020	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.708
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.663	0.020	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.708
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.663</b>	<b>0.020</b>	<b>0.025</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.708</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Site CCTV - Digital/200

[Site CCTV - Digital/200] SITE (Shipboard Information Training & Entertainment) CCTV (Closed Circuit TV) - Digital/200 is the next generation of the SITE 2000/200. This system is a digitally-based replacement for the 2000/300 playback. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7					<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/200 - 2				
<b>Models of Systems Affected:</b> Site CCTV - Digital/200			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>							
<b>Financial Plan</b>			<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
			<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>														
K0001 - Site CCTV - Digital/200														
B Kits														
Recurring														
1.1.1) Site CCTV - Digital/200 - NonOrganic <sup>(1)</sup>														
<i>Subtotal Recurring</i>														
<i>Total, K0001 - Site CCTV - Digital/200</i>														
<i>Total, All Modifications</i>														
<i>Procurement Cost (Procurement + Support)</i>														
<i>Total Installation Cost</i>														
<b>Total Cost (Procurement + Support + Installation)</b>														
<b>Financial Plan</b>			<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
			<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>														
K0001 - Site CCTV - Digital/200														
B Kits														
Recurring														
1.1.1) Site CCTV - Digital/200 - NonOrganic <sup>(1)</sup>														
<i>Subtotal Recurring</i>														
<i>Total, K0001 - Site CCTV - Digital/200</i>														
<i>Total, All Modifications</i>														
<i>Procurement Cost (Procurement + Support)</i>														
<i>Total Installation Cost</i>														
<b>Total Cost (Procurement + Support + Installation)</b>														
<b>Remarks:</b>														
<sup>(1)</sup> In FY12, the Digital 200 will provide encrypted DVD (E-DVD) players.														

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/200 - 2

<b>Models of Systems Affected:</b> Site CCTV - Digital/200	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Manufacturer Information:</b> K0001 - Site CCTV - Digital/200	
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Manufacturer Name: Various	Manufacturer Location: Various
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Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 2
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Aug 2011	Jan 2012					
Delivery Dates	Sep 2011	Mar 2012					

<b>Installation:</b> K0001 - Site CCTV - Digital/200	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site CCTV - Digital/200
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	27	0.000	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	2	0.000	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	5	0.000	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	27	0.000	2	0.000	5	0.000	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	27	0.000
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.000
FY 2012	-	-	-	-	-	-	-	-	-	-	5	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/200 - 2

<b>Models of Systems Affected:</b> Site CCTV - Digital/200	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> K0001 - Site CCTV - Digital/200	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site CCTV - Digital/200
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	34	0.000

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	27	-	-	-	2	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
Out	27	-	-	-	2	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/300 - 3

**Models of Systems Affected:** Site CCTV - Digital/300    **Type Modification:** [No Modification Type Specified]    **Related RDT&E PEs:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.905	0.040	0.010	0.765	0.000	0.765	0.935	0.000	0.000	0.000	0.000	9.655
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	7.905	0.040	0.010	0.765	0.000	0.765	0.935	0.000	0.000	0.000	0.000	9.655
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>7.905</b>	<b>0.040</b>	<b>0.010</b>	<b>0.765</b>	<b>0.000</b>	<b>0.765</b>	<b>0.935</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>9.655</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Site CCTV - Digital/300

[Site CCTV - Digital/300] SITE CCTV - Digital/300 is the next generation of the SITE 2000/300. This system is a digitally-based replacement for the 2000/300 playback. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/300 - 3

<b>Models of Systems Affected:</b> Site CCTV - Digital/300	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
K0001 - Site CCTV - Digital/300												
B Kits												
Recurring												
1.1.1) Site CCTV - Digital/300 - NonOrganic <sup>(2)</sup>	57	7.905	4	0.040	2	0.010	9	0.765	-	-	9	0.765
<i>Subtotal Recurring</i>		7.905		0.040		0.010		0.765		0.000		0.765
<i>Total, K0001 - Site CCTV - Digital/300</i>	57	7.905	4	0.040	2	0.010	9	0.765	-	-	9	0.765
<i>Total, All Modifications</i>		7.905		0.040		0.010		0.765		0.000		0.765
<i>Procurement Cost (Procurement + Support)</i>		7.905		0.040		0.010		0.765		0.000		0.765
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>7.905</b>		<b>0.040</b>		<b>0.010</b>		<b>0.765</b>		<b>0.000</b>		<b>0.765</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
K0001 - Site CCTV - Digital/300												
B Kits												
Recurring												
1.1.1) Site CCTV - Digital/300 - NonOrganic <sup>(2)</sup>	11	0.935	-	-	-	-	-	-	-	-	83	9.655
<i>Subtotal Recurring</i>		0.935		0.000		0.000		0.000		0.000		9.655
<i>Total, K0001 - Site CCTV - Digital/300</i>	11	0.935	-	-	-	-	-	-	-	-	83	9.655
<i>Total, All Modifications</i>		0.935		0.000		0.000		0.000		0.000		9.655
<i>Procurement Cost (Procurement + Support)</i>		0.935		0.000		0.000		0.000		0.000		9.655
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.935</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>9.655</b>

**Remarks:**  
<sup>(2)</sup>In FY12, the Digital 300 will provide encrypted DVD (E-DVD) players.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/300 - 3

<b>Models of Systems Affected:</b> Site CCTV - Digital/300	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Manufacturer Information:</b> K0001 - Site CCTV - Digital/300	
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Manufacturer Name: Various	Manufacturer Location: Various
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Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 2
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Aug 2011	Jan 2012	Dec 2012				
Delivery Dates	Sep 2011	Mar 2012	Feb 2013				

<b>Installation:</b> K0001 - Site CCTV - Digital/300	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site CCTV - Digital/300
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	57	0.000	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	4	0.000	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	2	0.000	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	9	0.000	0	0.000	9	0.000
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	57	0.000	4	0.000	2	0.000	9	0.000	0	0.000	9	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	57	0.000
FY 2011	-	-	-	-	-	-	-	-	-	-	4	0.000
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	9	0.000
FY 2014	11	0.000	-	-	-	-	-	-	-	-	11	0.000
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/300 - 3

<b>Models of Systems Affected:</b> Site CCTV - Digital/300	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> K0001 - Site CCTV - Digital/300	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site CCTV - Digital/300
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	11	0.000	-	-	-	-	-	-	-	-	83	0.000

Installation Schedule																																			
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	57	-	-	-	4	-	1	-	1	-	3	2	4	1	2	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83
Out	57	-	-	-	4	-	1	-	1	-	3	2	4	1	2	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/400 - 4

<b>Models of Systems Affected:</b> Site CCTV - Digital/400	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.110	0.030	0.050	0.270	0.000	0.270	0.540	0.450	0.450	0.600	0.000	2.500
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.110	0.030	0.050	0.270	0.000	0.270	0.540	0.450	0.450	0.600	0.000	2.500
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.110</b>	<b>0.030</b>	<b>0.050</b>	<b>0.270</b>	<b>0.000</b>	<b>0.270</b>	<b>0.540</b>	<b>0.450</b>	<b>0.450</b>	<b>0.600</b>	<b>0.000</b>	<b>2.500</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Site CCTV - Digital/400

[Site CCTV - Digital/400] SITE CCTV - Digital/400 - is the next generation of the SITE 2000/400. This system is a digitally-based replacement for the 2000/400 playback. Requires manpower of one dedicated technician and operator. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7				<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/400 - 4				
<b>Models of Systems Affected:</b> Site CCTV - Digital/400			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b>						
<b>Financial Plan</b>			<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
			<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>														
K0001 - Site CCTV - Digital/400														
B Kits														
Recurring														
1.1.1) Site CCTV - Digital/400 - NonOrganic <sup>(3)</sup>														
<i>Subtotal Recurring</i>														
<i>Total, K0001 - Site CCTV - Digital/400</i>														
<i>Total, All Modifications</i>														
<i>Procurement Cost (Procurement + Support)</i>														
<i>Total Installation Cost</i>														
<b>Total Cost (Procurement + Support + Installation)</b>														
<b>Financial Plan</b>			<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
			<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>														
K0001 - Site CCTV - Digital/400														
B Kits														
Recurring														
1.1.1) Site CCTV - Digital/400 - NonOrganic <sup>(3)</sup>														
<i>Subtotal Recurring</i>														
<i>Total, K0001 - Site CCTV - Digital/400</i>														
<i>Total, All Modifications</i>														
<i>Procurement Cost (Procurement + Support)</i>														
<i>Total Installation Cost</i>														
<b>Total Cost (Procurement + Support + Installation)</b>														
<b>Remarks:</b> <sup>(3)</sup> In FY12, the Digital 400 will provide encrypted DVD (E-DVD) players.														

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/400 - 4

<b>Models of Systems Affected:</b> Site CCTV - Digital/400	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Manufacturer Information:</b> K0001 - Site CCTV - Digital/400	
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Manufacturer Name: Various	Manufacturer Location: Various
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Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 2
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Aug 2011	Jan 2012	Dec 2012				
Delivery Dates	Sep 2011	Mar 2012	Feb 2013				

<b>Installation:</b> K0001 - Site CCTV - Digital/400	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site CCTV - Digital/400
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	3	0.000	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	3	0.000	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	10	0.000	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	3	0.000	0	0.000	3	0.000
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3</b>	<b>0.000</b>	<b>3</b>	<b>0.000</b>	<b>10</b>	<b>0.000</b>	<b>3</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>3</b>	<b>0.000</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	3	0.000
FY 2011	-	-	-	-	-	-	-	-	-	-	3	0.000
FY 2012	-	-	-	-	-	-	-	-	-	-	10	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	3	0.000
FY 2014	6	0.000	-	-	-	-	-	-	-	-	6	0.000
FY 2015	-	-	5	0.000	-	-	-	-	-	-	5	0.000
FY 2016	-	-	-	-	5	0.000	-	-	-	-	5	0.000



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> K0001 - Site CCTV - Digital/400 - 4

<b>Models of Systems Affected:</b> Site CCTV - Digital/400	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> K0001 - Site CCTV - Digital/400	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site CCTV - Digital/400
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	6	0.000	-	-	6	0.000
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	6	0.000	5	0.000	5	0.000	6	0.000	-	-	41	0.000

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	3	-	-	-	3	-	5	2	3	-	-	1	2	-	3	3	-	-	-	2	3	-	-	2	3	-	-	3	3	-	-	41
Out	3	-	-	-	3	-	5	2	3	-	-	1	2	-	3	3	-	-	-	2	3	-	-	2	3	-	-	3	3	-	-	41

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/500 - 5

<b>Models of Systems Affected:</b> Site CCTV - Digital/500	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.465	0.110	0.110	0.110	0.000	0.110	0.110	0.110	0.110	0.115	0.000	2.240
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.465	0.110	0.110	0.110	0.000	0.110	0.110	0.110	0.110	0.115	0.000	2.240
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.465</b>	<b>0.110</b>	<b>0.110</b>	<b>0.110</b>	<b>0.000</b>	<b>0.110</b>	<b>0.110</b>	<b>0.110</b>	<b>0.110</b>	<b>0.115</b>	<b>0.000</b>	<b>2.240</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Site CCTV - Digital/500

[Site CCTV - Digital/500] SITE CCTV - Digital/500 - is the next generation of the SITE 2000/500. This system is digitally-based replacement for the 2000/500 playback. Requires manpower of two dedicated technicians and three operators. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/repair agents.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7					<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/500 - 5			
<b>Models of Systems Affected:</b> Site CCTV - Digital/500			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>						
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
K0001 - Site CCTV - Digital/500													
B Kits													
Recurring													
1.1.1) Site CCTV - Digital/500 - NonOrganic													
	5	1.465	1	0.110	1	0.110	1	0.110	-	-	1	0.110	
<i>Subtotal Recurring</i>		1.465		0.110		0.110		0.110		0.000		0.110	
<i>Total, K0001 - Site CCTV - Digital/500</i>		5	1.465	1	0.110	1	0.110	1	0.110	-	-	1	0.110
<i>Total, All Modifications</i>			1.465		0.110		0.110		0.110		0.000		0.110
<i>Procurement Cost (Procurement + Support)</i>			1.465		0.110		0.110		0.110		0.000		0.110
<i>Total Installation Cost</i>			0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>			1.465		0.110		0.110		0.110		0.000		0.110
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
K0001 - Site CCTV - Digital/500													
B Kits													
Recurring													
1.1.1) Site CCTV - Digital/500 - NonOrganic													
	1	0.110	1	0.110	1	0.110	1	0.115	-	-	12	2.240	
<i>Subtotal Recurring</i>		0.110		0.110		0.110		0.115		0.000		2.240	
<i>Total, K0001 - Site CCTV - Digital/500</i>		1	0.110	1	0.110	1	0.110	1	0.115	-	-	12	2.240
<i>Total, All Modifications</i>			0.110		0.110		0.110		0.115		0.000		2.240
<i>Procurement Cost (Procurement + Support)</i>			0.110		0.110		0.110		0.115		0.000		2.240
<i>Total Installation Cost</i>			0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>			0.110		0.110		0.110		0.115		0.000		2.240
<b>Remarks:</b>													
<b>Manufacturer Information: K0001 - Site CCTV - Digital/500</b>													
Manufacturer Name: Various						Manufacturer Location: Various							

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site CCTV - Digital/500 - 5

<b>Models of Systems Affected:</b> Site CCTV - Digital/500	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Manufacturer Information:</b> K0001 - Site CCTV - Digital/500	
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Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 2
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Aug 2011	Jan 2012	Dec 2012				
Delivery Dates	Sep 2011	Mar 2012	Feb 2013				

<b>Installation:</b> K0001 - Site CCTV - Digital/500	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site CCTV - Digital/500
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	5	0.000	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	1	0.000	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	1	0.000	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	1	0.000	0	0.000	1	0.000
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	0.000	1	0.000	1	0.000	1	0.000	0	0.000	1	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	5	0.000
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.000
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	1	0.000
FY 2014	1	0.000	-	-	-	-	-	-	-	-	1	0.000
FY 2015	-	-	1	0.000	-	-	-	-	-	-	1	0.000
FY 2016	-	-	-	-	1	0.000	-	-	-	-	1	0.000
FY 2017	-	-	-	-	-	-	1	0.000	-	-	1	0.000



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7				<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Circuit 27TV Upgrade - 6		
<b>Models of Systems Affected:</b> Circuit 27TV Upgrade			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.240	0.000	0.240	0.160	0.160	0.160	0.000	0.000	0.720
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.240	0.000	0.240	0.160	0.160	0.160	0.000	0.000	0.720
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.000	0.000	0.240	0.000	0.240	0.160	0.160	0.160	0.000	0.000	0.720
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> Circuit 27TV Upgrade												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7				<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Circuit 27TV Upgrade - 6			
<b>Models of Systems Affected:</b> Circuit 27TV Upgrade			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b>					
<b>Financial Plan</b>													
		<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
		<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>
<b>Procurement</b>													
K0001 - Circuit 27TV Upgrade													
B Kits													
Recurring													
1.1.1) CKT27TV - NonOrganic													
		-	-	-	-	-	-	12	0.240	-	-	12	0.240
		<i>Subtotal Recurring</i>		0.000	0.000	0.000	0.000	0.240	0.000	0.000	0.240		
		<i>Total, K0001 - Circuit 27TV Upgrade</i>		-	-	-	-	12	0.240	-	-	12	0.240
		<i>Total, All Modifications</i>		0.000	0.000	0.000	0.000	0.240	0.000	0.000	0.240		
		<i>Procurement Cost (Procurement + Support)</i>		0.000	0.000	0.000	0.000	0.240	0.000	0.000	0.240		
		<i>Total Installation Cost</i>		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
		<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.240</b>	<b>0.000</b>	<b>0.000</b>	<b>0.240</b>		
<b>Financial Plan</b>													
		<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
		<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>
<b>Procurement</b>													
K0001 - Circuit 27TV Upgrade													
B Kits													
Recurring													
1.1.1) CKT27TV - NonOrganic													
		8	0.160	8	0.160	8	0.160	-	-	-	-	36	0.720
		<i>Subtotal Recurring</i>		0.160	0.160	0.160	0.160	0.000	0.000	0.000	0.000	0.720	
		<i>Total, K0001 - Circuit 27TV Upgrade</i>		8	0.160	8	0.160	-	-	-	-	36	0.720
		<i>Total, All Modifications</i>		0.160	0.160	0.160	0.160	0.000	0.000	0.000	0.000	0.720	
		<i>Procurement Cost (Procurement + Support)</i>		0.160	0.160	0.160	0.160	0.000	0.000	0.000	0.000	0.720	
		<i>Total Installation Cost</i>		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.160</b>	<b>0.160</b>	<b>0.160</b>	<b>0.160</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.720</b>	
<b>Remarks:</b>													
<b>Manufacturer Information: K0001 - Circuit 27TV Upgrade</b>													
Manufacturer Name: TBD						Manufacturer Location: TBD							

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Circuit 27TV Upgrade - 6

<b>Models of Systems Affected:</b> Circuit 27TV Upgrade	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Manufacturer Information:</b> K0001 - Circuit 27TV Upgrade							
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Administrative Leadtime ( <i>in Months</i> ): 1				Production Leadtime ( <i>in Months</i> ): 2			
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Dec 2012				
Delivery Dates			Feb 2013				

<b>Installation:</b> K0001 - Circuit 27TV Upgrade	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> CKT27TV
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	12	0.000	0	0.000	12	0.000
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	12	0.000	0	0.000	12	0.000

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	12	0.000
FY 2014	8	0.000	-	-	-	-	-	-	-	-	8	0.000
FY 2015	-	-	8	0.000	-	-	-	-	-	-	8	0.000
FY 2016	-	-	-	-	8	0.000	-	-	-	-	8	0.000
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Circuit 27TV Upgrade - 6

<b>Models of Systems Affected:</b> Circuit 27TV Upgrade	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> K0001 - Circuit 27TV Upgrade	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> CKT27TV
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	8	0.000	8	0.000	8	0.000	-	-	-	-	36	0.000

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-	4	4	-	-	4	4	-	-	4	4	-	-	-	-	-	36
Out	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-	4	4	-	-	4	4	-	-	4	4	-	-	-	-	-	36

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> K0001 - Site COTS Refresh/300 - 7

<b>Models of Systems Affected:</b> Site COTS Refresh/300	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.630	0.720	1.425	0.000	2.775
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.630	0.720	1.425	0.000	2.775
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.630</b>	<b>0.720</b>	<b>1.425</b>	<b>0.000</b>	<b>2.775</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Site COTS Refresh/300

[Site COTS Refresh/300] SITE COTS Refresh/300 - SITE COTS Refresh will upgrade digital components in the next generation of the Digital SITE 300 system. This system is a digitally-based system, comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy									<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7				<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site COTS Refresh/300 - 7				
<b>Models of Systems Affected:</b> Site COTS Refresh/300			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>						
<b>Financial Plan</b>		<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
		<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>													
K0001 - Site COTS Refresh/300													
B Kits													
Recurring													
1.1.1) Site COTS Refresh/300 - NonOrganic													
		-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>			0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, K0001 - Site COTS Refresh/300</i>		-	-	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>			0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>			0.000		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>			0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>			<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>
<b>Financial Plan</b>		<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
		<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<b>Procurement</b>													
K0001 - Site COTS Refresh/300													
B Kits													
Recurring													
1.1.1) Site COTS Refresh/300 - NonOrganic													
		-	-	7	0.630	8	0.720	15	1.425	-	-	30	2.775
<i>Subtotal Recurring</i>			0.000		0.630		0.720		1.425		0.000		2.775
<i>Total, K0001 - Site COTS Refresh/300</i>		-	-	7	0.630	8	0.720	15	1.425	-	-	30	2.775
<i>Total, All Modifications</i>			0.000		0.630		0.720		1.425		0.000		2.775
<i>Procurement Cost (Procurement + Support)</i>			0.000		0.630		0.720		1.425		0.000		2.775
<i>Total Installation Cost</i>			0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>			<b>0.000</b>		<b>0.630</b>		<b>0.720</b>		<b>1.425</b>		<b>0.000</b>		<b>2.775</b>
<b>Remarks:</b>													
<b>Manufacturer Information: K0001 - Site COTS Refresh/300</b>													
Manufacturer Name: Manufacturer Name Not Provided.						Manufacturer Location: Manufacturer Location Not Provided.							

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site COTS Refresh/300 - 7

<b>Models of Systems Affected:</b> Site COTS Refresh/300	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Manufacturer Information:</b> K0001 - Site COTS Refresh/300							
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Administrative Leadtime ( <i>in Months</i> ):				Production Leadtime ( <i>in Months</i> ):			
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	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

<b>Installation:</b> K0001 - Site COTS Refresh/300	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site COTS Refresh/300
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	7	0.000	-	-	-	-	-	-	7	0.000
FY 2016	-	-	-	-	8	0.000	-	-	-	-	8	0.000
FY 2017	-	-	-	-	-	-	15	0.000	-	-	15	0.000

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2666 - American Forces Radio and TV Service (AFRTS)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): K0001 - Site COTS Refresh/300 - 7

<b>Models of Systems Affected:</b> Site COTS Refresh/300	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> K0001 - Site COTS Refresh/300	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Site COTS Refresh/300
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	7	0.000	8	0.000	15	0.000	-	-	30	0.000

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	-	3	3	2	3	4	4	4	-	30
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	-	3	3	2	3	4	4	4	-	30

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 7 : Other Ship Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2676 - Strategic Platform Support Equip

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.168	4.225	4.143	3.614	-	3.614	5.591	6.191	3.871	3.945	0.000	41.748
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	10.168	4.225	4.143	3.614	-	3.614	5.591	6.191	3.871	3.945	0.000	41.748
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	10.168	4.225	4.143	3.614	-	3.614	5.591	6.191	3.871	3.945	0.000	41.748
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	1.434	1.948	1.726	-	1.726	1.591	1.529	1.554	1.581	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Funding in this P-1 line provides Non-Propulsion Electronics equipment that will be installed aboard TRIDENT Class submarines as part of the Obsolete Equipment Replacement (OER) Program.

The OBSOLETE EQUIPMENT REPLACEMENT (OER) Program is the replacement of existing hardware/software that, though functional, has become operationally obsolete, is no longer in production or supportable with spare parts, or has a high failure rate making them no longer cost effective to maintain. OER hardware/software changes are expected to provide significant cost savings via reduced maintenance costs and use Commercial-Off-The-Shelf (COTS) technology wherever possible as long as all technical requirements are met.

This funding line includes performance of the required fully integrated system level testing and certification of changes to the TRIDENT Combat systems prior to installation of the changes on the ship. Integrated testing and certification provides assurance that when the changes are installed in the ship, the TRIDENT Combat system will operate as designed, allowing the ships to maintain their operational schedules and mission capabilities.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Strategic Platform Support Equip (See enclosed P-40A)	P40A, P5A				10.168			4.225			4.143			3.614			0.000			3.614
<b>Total Gross/Weapon System Cost</b>					<b>10.168</b>			<b>4.225</b>			<b>4.143</b>			<b>3.614</b>			-			<b>3.614</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 7 **P-1 Line Item Nomenclature:** 2676 - Strategic Platform Support Equip **Aggregated Item Name:** Strategic Platform Support Equip

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) P1221 Strategic Platform Support Equip</b>																			
† 1.1) Combat Platform Engineering	A	-	-	3.435	896,000.00	1	0.896	902,000.00	1	0.902	916,000.00	1	0.916	-	-	-	916,000.00	1	0.916
1.2) CCS Revision Engineering Cert/ Test	A	-	-	2.628	-	-	2.325	-	-	1.741	-	-	0.998	-	-	-	-	-	0.998
1.3) SSBN Revision 8.0 HM&E Material	A	-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.4) SSBN Revision 8.0 Modernization	A	-	-	0.560	338,000.00	1	0.338	-	-	-	-	-	-	-	-	-	-	-	-
† 1.5) Monitoring Workstation Technology Refresh	A	-	-	1.645	-	-	0.198	500,000.00	3	1.500	425,000.00	4	1.700	-	-	-	425,000.00	4	1.700
1.6) Data Processing System (DPWS) Tech Refresh	A	-	-	1.600	-	-	0.468	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) P1221 Strategic Platform Support Equip</i>				10.168			4.225			4.143			3.614			0.000			3.614
<b>Total</b>				10.168			4.225			4.143			3.614			0.000			3.614

**Remarks:**



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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 7	<b>P-1 Line Item Nomenclature:</b> 2676 - Strategic Platform Support Equip	<b>Aggregated Item Name:</b> Strategic Platform Support Equip
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) P1221 Strategic Platform Support Equip</b>												
1.1) Combat Platform Engineering		2011	NUWC NPT / NEWPORT, RI	TBD	NAVSEA	Apr 2011	Aug 2011	1	896,000.00	Y		
1.1) Combat Platform Engineering		2012	NUWC NPT / NEWPORT, RI	TBD	NAVSEA	Apr 2012	Aug 2012	1	902,000.00	Y		
1.1) Combat Platform Engineering		2013	NUWC NPT / NEWPORT, RI	TBD	NAVSEA	Apr 2013	Aug 2013	1	916,000.00	Y		
1.4) SSBN Revision 8.0 Modernization		2011	ELECTRIC BOAT / NEW LONDON	C / CPFF	NAVSEA	Apr 2011	Aug 2011	1	338,000.00	Y		
1.5) Monitoring Workstation Technology Refresh		2012	NSWC/CD / PHILADELPHIA, PA	TBD	NAVSEA	Apr 2012	Aug 2012	3	500,000.00	Y		
1.5) Monitoring Workstation Technology Refresh		2013	NSWC/CD / PHILADELPHIA, PA	TBD	NAVSEA	Apr 2013	Aug 2013	4	425,000.00	Y		

**Remarks:**

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 8 : Training Equipment	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	108.117	27.611	35.189	42.911	-	42.911	42.956	47.034	52.410	41.542	11.755	409.525
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	108.117	27.611	35.189	42.911	-	42.911	42.956	47.034	52.410	41.542	11.755	409.525
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	108.117	27.611	35.189	42.911	-	42.911	42.956	47.034	52.410	41.542	11.755	409.525
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.186	0.407	0.261	-	0.261	0.265	0.270	0.275	0.280	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

PROGRAM DESCRIPTION/JUSTIFICATION:

Other Training Equipment line supports various types of Communication and Electronic training requirements.

[P40A / MB032 SURFACE SUSTAINING TECHNICAL TRAINING EQUIPMENT]: Funds procure Communication and Electronic Technical Training Equipment (TTE) identified by the Naval Education and Training Command (NETC) as approved by CNO. This TTE sustains a better quality of training and/or replaces equipment beyond economical repair.

[P40A / MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT]: MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT

This line procures submarine Fleet and team trainers sustaining equipment and systems, which emulate ship characteristics, as approved by the CNO. Representative training systems include, but are not limited to: Submarine Navigation Trainers which include the Virtual Environment Submarine (VESUB), Submarine Piloting and Navigation Trainers (SPAN), Reconfigurable SPAN (RSPAN), Submarine Bridge Trainer/Integrated SPAN (SBT/ISPAN), Navigation Databases, Ship Control Operator Trainer (SCOT), and PC-based Team Trainers which include the Mini-SPANs. These systems and Training Enhancement Changes (TECs) are identified by the Submarine Learning Center (SLC) for training activities, which are approved by the CNO. Supports Fleet requested updates and technical refresh of all the systems and products listed above. The SBT/ISPAN and upgrades to the existing navigation and mariner skills trainer in all homeports will be procured. This line also provides configuration changes for the Submarine Multi Reconfigurable Training System (MRTS) Communications, which includes Submarine Communications Support System / Common Submarine Radio Room (SCSS / CSRR) trainers.

[P40A / MB050 SUBMARINE SONAR TRAINERS]: MB050 SUBMARINE SONAR TRAINERS

The Sonar Employment Trainer (SET) provides acoustic operator employment Fleet and team training for submarine sonar systems. It uses entirely commercial components to contain contact and environment models, simulations of the sensors and signal processing, simulated operator consoles, and an instructional subsystem including an instructor's console. SET is used to train advanced operators in the Advanced Sonar Employment and Sonar Supervisor courses. The SET is periodically upgraded to support current software Advanced Processor Builds (APBs) and Technical Insertions (TIs). The SET is an essential component of an emerging shore based training that supports the projected technology in the Fleet systems that are designed to meet current and future threats: the Acoustics, Rapid Commercial-Off-The-Shelf (COTS) Insertion (A-RCI). The SET is based on the widely recognized and proven successful Interactive Multi-sensor Acoustic Trainer (IMAT) visualization and simulation technologies. SET hardware procurements alternate with implementation updates every other fiscal year.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 8 : Training Equipment

**P-1 Line Item Nomenclature:**  
2762 - Other Training Equipment

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

The SET is part of the solution to increasing operator competence and data recognition through employment training by its use of 3-D graphics, animation, audio, and scientific visualization methods to illustrate highly complex displays and concepts of oceanographic physics. The demands of curriculum and student throughput at the primary submarine training (tab)site at NAVSUBSCOL, Groton dictates the number and configuration of trainers provided. SET Hardware procurements alternate with implementation updates every other fiscal year.

The Acoustic Analysis Trainer (AAT) provides Sonar Technician operator shore-based training and exercise in target recognition and basic acoustic analysis utilizing a 12 student operator station implementation of the towed array portion of the BQQ-10 submarine sonar suite. Each operator is able to independently set up and exercise his display consoles and processors. The AAT is periodically upgraded to support current software APBs and Technical Insertions (TIs). There are (9) AATs located at shore based submarine training facilities and one Engineering Production Model (EPM) AAT for a total of (10) systems.

FY11: Procures one hardware kit and implements simulation upgrades to SET, procures five hardware upgrades to AATs, including upgrades to the AAT EPM.

FY12: Procures simulation upgrades to the SET, procures five hardware upgrades to AATs, including the simulation upgrades to the AAT EPM.

FY13: Procures one hardware kit and implements simulation upgrades to SET, procures five hardware upgrades to AATs, including upgrades to the AAT EPM.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Other Training Equipment (See enclosed P-40A)	P40A, P5A				38.597			7.415			10.592			6.272			0.000			6.272
MB040 - BFTT BASELINE II SYSTEMS - 1	P3A		-	-	10.675	-	-	2.065	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
MB040 - ENCRYPTORS - 2	P3A		-	-	7.334	-	-	0.156	-	-	0.096	-	-	0.000	-	-	0.000	-	-	0.000
MB040 - BFTT SHIP SETS - 3	P3A		-	-	0.000	-	-	0.000	-	-	7.294	-	-	24.437	-	-	0.000	-	-	24.437
MB040 - COTS OBSOLESCENCE - 4	P3A		-	-	24.855	-	-	8.417	-	-	4.959	-	-	0.000	-	-	0.000	-	-	0.000
MB040 BFTT UPGRADE KITS - 5	P3A		-	-	15.097	-	-	5.400	-	-	5.673	-	-	9.122	-	-	0.000	-	-	9.122
MB040 - TSTC NSST - 6	P3A		-	-	2.338	-	-	2.148	-	-	2.669	-	-	1.959	-	-	0.000	-	-	1.959
MB040 - TSTC DCTMS - 7	P3A		-	-	9.221	-	-	2.010	-	-	1.306	-	-	0.000	-	-	0.000	-	-	0.000
MB040 - LHD 1 WASP - 8	P3A		-	-	0.000	-	-	0.000	-	-	2.600	-	-	1.121	-	-	0.000	-	-	1.121
MB040 - LHD 3 SSDS MK 2 UPGRADE - 9	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					<b>108.117</b>			<b>27.611</b>			<b>35.189</b>			<b>42.911</b>			<b>-</b>			<b>42.911</b>

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy	<b>Date:</b> February 2012
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 8 : Training Equipment	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Other Training Equipment (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
MB040 - BFTT BASELINE II SYSTEMS - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	12.740
MB040 - ENCRYPTORS - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	7.586
MB040 - BFTT SHIP SETS - 3	P3A		-	-	31.417	-	-	33.927	-	-	33.762	-	-	32.513	-	-	11.755	-	-	175.105
MB040 - COTS OBSOLESCENCE - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	38.231
MB040 BFTT UPGRADE KITS - 5	P3A		-	-	2.190	-	-	3.636	-	-	0.784	-	-	2.767	-	-	0.000	-	-	44.669
MB040 - TSTC NSST - 6	P3A		-	-	1.252	-	-	0.895	-	-	0.266	-	-	0.000	-	-	0.000	-	-	11.527
MB040 - TSTC DCTMS - 7	P3A		-	-	1.077	-	-	1.093	-	-	0.000	-	-	0.000	-	-	0.000	-	-	14.707
MB040 - LHD 1 WASP - 8	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	3.721
MB040 - LHD 3 SSDS MK 2 UPGRADE - 9	P3A		-	-	0.000	-	-	1.308	-	-	1.231	-	-	0.000	-	-	0.000	-	-	2.539
<b>Total Gross/Weapon System Cost</b>					<b>42.956</b>			<b>47.034</b>			<b>52.410</b>			<b>41.542</b>			<b>11.755</b>			<b>409.525</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 8					P-1 Line Item Nomenclature: 2762 - Other Training Equipment					Aggregated Item Name: Other Training Equipment									
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) MB032 SURFACE SUSTAINING TECHNICAL TRAINING EQUIPMENT</b>																			
1.1) SURFACE SUSTAINING TECHNICAL TRAINING EQUIPMENT	A	-	-	0.308	-	-	0.036	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) MB032 SURFACE SUSTAINING TECHNICAL TRAINING EQUIPMENT</i>				0.308			0.036			0.000			0.000			0.000			0.000
<b>2) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT</b>																			
2.1) GUAM TRAINERS SCOT	A	-	-	-	-	-	-	-	-	2.400	-	-	-	-	-	-	-	-	-
† 2.2) GUAM TRAINERS SPAN	A	-	-	-	2,000K	1	2.000	-	-	-	-	-	-	-	-	-	-	-	-
2.3) MINOR TRAINING SUPPORT EQUIPMENT	A	-	-	2.974	-	-	0.594	-	-	0.412	-	-	0.307	-	-	-	-	-	0.307
2.4) NAV TRAINERS UPDATES, TECH REF	A	-	-	10.201	-	-	1.202	-	-	1.195	-	-	0.242	-	-	-	-	-	0.242
2.5) MRTS SCSS/ CSRR	A	-	-	3.674	-	-	1.061	-	-	1.084	-	-	-	-	-	-	-	-	-
2.6) SBT/ISPAN	A	-	-	7.939	-	-	0.319	-	-	3.250	-	-	3.425	-	-	-	-	-	3.425
<i>Subtotal 2) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT</i>				24.788			5.176			8.341			3.974			0.000			3.974
<b>3) MB050 SUBMARINE SONAR TRAINERS</b>																			
† 3.1) SET	A	-	-	5.096	1,553K	1	1.553	216,000.00	1	0.216	1,598K	1	1.598	-	-	-	1,598K	1	1.598
† 3.2) AAT	A	-	-	8.405	130,000.00	5	0.650	407,000.00	5	2.035	140,000.00	5	0.700	-	-	-	140,000.00	5	0.700
<i>Subtotal 3) MB050 SUBMARINE SONAR TRAINERS</i>				13.501			2.203			2.251			2.298			0.000			2.298
<b>Total</b>				<b>38.597</b>			<b>7.415</b>			<b>10.592</b>			<b>6.272</b>			<b>0.000</b>			<b>6.272</b>

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 8				P-1 Line Item Nomenclature: 2762 - Other Training Equipment										Aggregated Item Name: Other Training Equipment					
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) MB032 SURFACE SUSTAINING TECHNICAL TRAINING EQUIPMENT</b>																			
1.1) SURFACE SUSTAINING TECHNICAL TRAINING EQUIPMENT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) MB032 SURFACE SUSTAINING TECHNICAL TRAINING EQUIPMENT				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT</b>																			
2.1) GUAM TRAINERS SCOT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.2) GUAM TRAINERS SPAN	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) MINOR TRAINING SUPPORT EQUIPMENT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) NAV TRAINERS UPDATES, TECH REF	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) MRTS SCSS/ CSRR	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) SBT/ISPAN	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) MB050 SUBMARINE SONAR TRAINERS</b>																			
† 3.1) SET	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 3.2) AAT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) MB050 SUBMARINE SONAR TRAINERS				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 8

**P-1 Line Item Nomenclature:**  
2762 - Other Training Equipment

**Aggregated Item Name:**  
Other Training Equipment

**Remarks:**



**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Aggregated Item Name:</b> Other Training Equipment
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>2) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT</b>												
2.2) GUAM TRAINERS SPAN		2011	NUWC NPT / NEWPORT, RI	WR	NAVSEA	Jun 2011	Jun 2011	1	2,000,000.00	Y		
<b>3) MB050 SUBMARINE SONAR TRAINERS</b>												
3.1) SET		2011	NSWC CD / BETHESDA, MD	Reqn	NSWC CD	Feb 2011	Feb 2011	1	1,553,000.00	Y		
3.1) SET		2012	NSWC CD / BETHESDA, MD	Reqn	NSWC CD	Feb 2012	Feb 2012	1	216,000.00	Y		
3.1) SET		2013	NSWC CD / BETHESDA, MD	Reqn	NSWC CD	Feb 2013	Feb 2013	1	1,598,000.00	Y		
3.2) AAT		2011	NSWC CD / BETHESDA, MD	Reqn	NSWC CD	Feb 2011	Dec 2011	5	130,000.00	Y		
3.2) AAT		2012	NSWC CD / BETHESDA, MD	Reqn	NSWC CD	Feb 2012	Dec 2012	5	407,000.00	N	Feb 2011	
3.2) AAT		2013	NSWC CD / BETHESDA, MD	Reqn	NSWC CD	Feb 2013	Dec 2013	5	140,000.00	N	Feb 2012	

**Remarks:**

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - BFTT BASELINE II SYSTEMS - 1

<b>Models of Systems Affected:</b> BFTT BASELINE II SYSTEMS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.675	2.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.740
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	10.675	2.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.740
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>10.675</b>	<b>2.065</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>12.740</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

BFTT Baseline II systems in support of CG Modernization; SCD 691. In FY11 the last two BFTT Baseline II systems were installed on CG-47 Class ships.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - BFTT BASELINE II SYSTEMS - 1

<b>Models of Systems Affected:</b> BFTT BASELINE II SYSTEMS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - BFTT BASELINE II SYSTEMS												
B Kits												
Recurring												
1.1.1) BFTT BASELINE II SYSTEMS - NonOrganic	7	5.875	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		5.875		0.000		0.000		0.000		0.000		0.000
<i>Total, MB040 - BFTT BASELINE II SYSTEMS</i>	7	5.875	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		5.875		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		5.875		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		4.800		2.065		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>10.675</b>		<b>2.065</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - BFTT BASELINE II SYSTEMS												
B Kits												
Recurring												
1.1.1) BFTT BASELINE II SYSTEMS - NonOrganic	-	-	-	-	-	-	-	-	-	-	7	5.875
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		5.875
<i>Total, MB040 - BFTT BASELINE II SYSTEMS</i>	-	-	-	-	-	-	-	-	-	-	7	5.875
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		5.875
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		5.875
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		6.865
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>12.740</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - BFTT BASELINE II SYSTEMS - 1

<b>Models of Systems Affected:</b> BFTT BASELINE II SYSTEMS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Manufacturer Information: MB040 - BFTT BASELINE II SYSTEMS</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 9			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

<b>Installation:</b> MB040 - BFTT BASELINE II SYSTEMS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> BFTT BASELINE II SYSTEMS
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	5	4.800	2	2.065	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	5	4.800	2	2.065	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	7	6.865
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8		<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment
<b>Models of Systems Affected:</b> BFTT BASELINE II SYSTEMS		<b>Modification Nomenclature (Modification Title, Modification Number):</b> MB040 - BFTT BASELINE II SYSTEMS - 1
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 - BFTT BASELINE II SYSTEMS		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> BFTT BASELINE II SYSTEMS						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	7	6.865

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	5	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Out	4	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - ENCRYPTORS - 2

<b>Models of Systems Affected:</b> ENCRYPTORS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.334	0.156	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.586
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	7.334	0.156	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.586
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>7.334</b>	<b>0.156</b>	<b>0.096</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>7.586</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Encryptor funds procure the replacement of the current BFTT NES.

FY11 - One encryptor was procured and installations were accomplished on surface ships.

FY12 - The last encryptor installations will be accomplished on surface ships.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8					<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - ENCRYPTORS - 2			
<b>Models of Systems Affected:</b> ENCRYPTORS				<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0204571N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
MB040 - ENCRYPTORS													
B Kits													
Recurring													
1.1.1) ENCRYPTORS - NonOrganic													
	112	5.734	1	0.040	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		5.734	0.040		0.000		0.000		0.000		0.000	0.000	
<i>Total, MB040 - ENCRYPTORS</i>		112	5.734	1	0.040	-	-	-	-	-	-	-	
<i>Total, All Modifications</i>			5.734		0.040		0.000		0.000		0.000	0.000	
<i>Procurement Cost (Procurement + Support)</i>			5.734		0.040		0.000		0.000		0.000	0.000	
<i>Total Installation Cost</i>			1.600		0.116		0.096		0.000		0.000	0.000	
<b>Total Cost (Procurement + Support + Installation)</b>			<b>7.334</b>		<b>0.156</b>		<b>0.096</b>		<b>0.000</b>		<b>0.000</b>	<b>0.000</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
MB040 - ENCRYPTORS													
B Kits													
Recurring													
1.1.1) ENCRYPTORS - NonOrganic													
	-	-	-	-	-	-	-	-	-	-	113	5.774	
<i>Subtotal Recurring</i>		0.000	0.000		0.000		0.000		0.000		0.000	5.774	
<i>Total, MB040 - ENCRYPTORS</i>		-	-	-	-	-	-	-	-	-	113	5.774	
<i>Total, All Modifications</i>			0.000		0.000		0.000		0.000		0.000	5.774	
<i>Procurement Cost (Procurement + Support)</i>			0.000		0.000		0.000		0.000		0.000	5.774	
<i>Total Installation Cost</i>			0.000		0.000		0.000		0.000		0.000	1.812	
<b>Total Cost (Procurement + Support + Installation)</b>			<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>	<b>7.586</b>	
<b>Remarks:</b>													
<b>Manufacturer Information: MB040 - ENCRYPTORS</b>													
Manufacturer Name: Various						Manufacturer Location: Various							

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - ENCRYPTORS - 2

<b>Models of Systems Affected:</b> ENCRYPTORS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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**Manufacturer Information:** MB040 - ENCRYPTORS

Administrative Leadtime (*in Months*): 0      Production Leadtime (*in Months*): 3

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jun 2011						
Delivery Dates	Sep 2011						

**Installation:** MB040 - ENCRYPTORS      **Method of Implementation:** ALT      **Installation Name:** ENCRYPTORS

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	102	1.600	6	0.116	4	0.077	-	-	-	-	-	-
FY 2011	-	-	-	-	1	0.019	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	102	1.600	6	0.116	5	0.096	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	112	1.793
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.019
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8		<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - ENCRYPTORS - 2
<b>Models of Systems Affected:</b> ENCRYPTORS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 - ENCRYPTORS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> ENCRYPTORS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	113	1.812

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	102	3	-	3	-	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	113
Out	91	4	-	6	5	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	113

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8			<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - BFTT SHIP SETS - 3					
<b>Models of Systems Affected:</b> BFTT SHIP SETS - T46D'S			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0204571N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	7.294	24.437	0.000	24.437	31.417	33.927	33.762	32.513	11.755	175.105
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	7.294	24.437	0.000	24.437	31.417	33.927	33.762	32.513	11.755	175.105
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>7.294</b>	<b>24.437</b>	<b>0.000</b>	<b>24.437</b>	<b>31.417</b>	<b>33.927</b>	<b>33.762</b>	<b>32.513</b>	<b>11.755</b>	<b>175.105</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Battle Force Tactical Training (BFTT) Program provides realistic joint warfare training across the spectrum of armed conflict; realistic unit level team training in all warfare areas; a means to link ships together which are in different homeports for coordinated training; external stimulation of shipboard training systems; and simulation of non-shipboard forces. BFTT uses a distributed architecture, integrating existing training systems, and uses Distributed Interactive Simulation (DIS) and High Level Architecture (HLA) protocols. BFTT provides ships' Commanding Officers and Battle Group/Battle Force Commanders with the ability to conduct coordinated realistic, high stress, combat system level team training as an integral part of the Afloat Training Groups (ATGs), the Tactical Training Groups and C2F/C3F Fleet Synthetic Training (FSTs) exercises. The Total Ship Training Capability (TSTC) integrates existing and emergent onboard training and assessment system capabilities to simulate realistic, "train like you fight", combat-like conditions across weapon sensor and combat systems. Migration to TSTC improvements is required to ensure continued, persistent FST interoperability. Commercial off the Shelf (COTS) Obsolescence mitigates replacement and upgrade of obsolete and out-of-production COTS components in BFTT systems installed throughout the Fleet to include the AN/USQ-T46D upgrade. BFTT T46D is a core component of the TSTC. Readiness is a CNO priority.

FY12 - POM 12 provided funding for the procurement and installation of the AN/USQ-T46D systems and subsequent variants as the solution to the COTS obsolescence issue, therefore the COTS Obsolescence funding was realigned/renamed "BFTT Ship Sets" starting in FY12. BFTT Ship Set funding will procure (7) T46D's and subsequent variants of hardware and software Build 3.5 series in support of AN/SQQ-89A(V)15 ACB 11, AEGIS ACB 12, LSD 41/49.

FY13 - BFTT Ship Set funding will procure (20) T46D's and subsequent variants of hardware and software Build 3.5 series in support of AN/SQQ-89A(V)15 ACB 11, AEGIS ACB 12, LSD 41/49. Installation funding supports installation of (7) BFTT AN/USQ-T46D Systems.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8		<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment
<b>Models of Systems Affected:</b> BFTT SHIP SETS - T46D'S		<b>Modification Nomenclature (Modification Title, Modification Number):</b> MB040 - BFTT SHIP SETS - 3
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0204571N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - BFTT SHIP SETS												
B Kits												
Recurring												
1.1.1) BFTT SHIP SETS - NonOrganic	-	-	-	-	7	7.294	20	20.920	-	-	20	20.920
<i>Subtotal Recurring</i>		0.000		0.000		7.294		20.920		0.000		20.920
<i>Total, MB040 - BFTT SHIP SETS</i>	-	-	-	-	7	7.294	20	20.920	-	-	20	20.920
<i>Total, All Modifications</i>		0.000		0.000		7.294		20.920		0.000		20.920
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		7.294		20.920		0.000		20.920
<i>Total Installation Cost</i>		0.000		0.000		0.000		3.517		0.000		3.517
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>7.294</b>		<b>24.437</b>		<b>0.000</b>		<b>24.437</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - BFTT SHIP SETS												
B Kits												
Recurring												
1.1.1) BFTT SHIP SETS - NonOrganic	20	20.980	22	23.078	20	20.980	20	21.100	-	-	109	114.352
<i>Subtotal Recurring</i>		20.980		23.078		20.980		21.100		0.000		114.352
<i>Total, MB040 - BFTT SHIP SETS</i>	20	20.980	22	23.078	20	20.980	20	21.100	-	-	109	114.352
<i>Total, All Modifications</i>		20.980		23.078		20.980		21.100		0.000		114.352
<i>Procurement Cost (Procurement + Support)</i>		20.980		23.078		20.980		21.100		0.000		114.352
<i>Total Installation Cost</i>		10.437		10.849		12.782		11.413		11.755		60.753
<b>Total Cost (Procurement + Support + Installation)</b>		<b>31.417</b>		<b>33.927</b>		<b>33.762</b>		<b>32.513</b>		<b>11.755</b>		<b>175.105</b>

Remarks:

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - BFTT SHIP SETS - 3
<b>Models of Systems Affected:</b> BFTT SHIP SETS - T46D'S	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Manufacturer Information: MB040 - BFTT SHIP SETS</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 9			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates		Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016
Delivery Dates		Sep 2012	Sep 2013	Sep 2014	Sep 2015	Sep 2016	Sep 2017

<b>Installation:</b> MB040 - BFTT SHIP SETS			<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> BFTT SHIP SETS					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	7	3.517	0	0.000	7	3.517
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	7	3.517	0	0.000	7	3.517

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	7	3.517
FY 2013	20	10.437	-	-	-	-	-	-	-	-	20	10.437
FY 2014	-	-	20	10.849	-	-	-	-	-	-	20	10.849
FY 2015	-	-	-	-	22	12.782	-	-	-	-	22	12.782

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8		<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment
<b>Models of Systems Affected:</b> BFTT SHIP SETS - T46D'S		<b>Modification Nomenclature (Modification Title, Modification Number):</b> MB040 - BFTT SHIP SETS - 3
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 - BFTT SHIP SETS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> BFTT SHIP SETS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	20	11.413	-	-	20	11.413
FY 2017	-	-	-	-	-	-	-	-	20	11.755	20	11.755
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	20	10.437	20	10.849	22	12.782	20	11.413	20	11.755	109	60.753

Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
APY		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	2	2	3	5	5	5	5	5	5	5	5	5	5	6	6	5	5	5	5	20	109
Out	-	-	-	-	-	-	-	-	-	-	1	2	4	4	6	5	5	4	6	5	4	5	5	5	5	3	6	6	8	20	109

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8				<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - COTS OBSOLESCENCE - 4				
<b>Models of Systems Affected:</b> COTS OBSOLESCENCE			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0204571N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	24.855	8.417	4.959	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.231
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	24.855	8.417	4.959	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.231
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>24.855</b>	<b>8.417</b>	<b>4.959</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>38.231</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

BFTT COTS OBSOLESCENCE includes various systems components and/or total systems procured as part of the technology refresh strategy due to the different classes of ships in the Fleet and the multiple variants developed within the three BFTT system baselines to support their configurations. Commercial off the Shelf (COTS) Obsolescence mitigates replacement and upgrade of obsolete and out-of-production COTS components in BFTT systems installed throughout the Fleet to include the AN/USQ-T46D upgrade.

FY11 - COTS Obsolescence funds procured (11) T46D's and newer hardware and software Build 3.5 series in support of AN/SQQ-89A(V)15 ACB 11, AEGIS ACB 12, LSD 41/49. Installation funding supported installation of (4) COTS obsolescence hardware kits (replacement of specific components) and AN/USQ-T46D Systems.

FY12 - POM 12 provided funding for the procurement and installation of the AN/USQ-T46D systems and subsequent variants as the solution to the COTS obsolescence issue, therefore the COTS Obsolescence funding was realigned/renamed "BFTT Ship Sets" starting in FY12. Installation funding supports installation of (7) COTS obsolescence hardware kits (replacement of specific components) and AN/USQ-T46D Systems.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - COTS OBSOLESCENCE - 4
<b>Models of Systems Affected:</b> COTS OBSOLESCENCE	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - COTS OBSOLESCENCE												
B Kits												
Recurring												
1.1.1) COTS OBSOLESCENCE - NonOrganic	36	18.655	11	4.027	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		18.655		4.027		0.000		0.000		0.000		0.000
<i>Total, MB040 - COTS OBSOLESCENCE</i>	36	18.655	11	4.027	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		18.655		4.027		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		18.655		4.027		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		6.200		4.390		4.959		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>24.855</b>		<b>8.417</b>		<b>4.959</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - COTS OBSOLESCENCE												
B Kits												
Recurring												
1.1.1) COTS OBSOLESCENCE - NonOrganic	-	-	-	-	-	-	-	-	-	-	47	22.682
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		22.682
<i>Total, MB040 - COTS OBSOLESCENCE</i>	-	-	-	-	-	-	-	-	-	-	47	22.682
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		22.682
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		22.682
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		15.549
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>38.231</b>

Remarks:

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - COTS OBSOLESCENCE - 4
<b>Models of Systems Affected:</b> COTS OBSOLESCENCE	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Manufacturer Information: MB040 - COTS OBSOLESCENCE</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 6			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010						
Delivery Dates	Sep 2011						

<b>Installation:</b> MB040 - COTS OBSOLESCENCE			<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> COTS OBSOLESCENCE					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	36	6.200	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	4	4.390	7	4.959	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	36	6.200	4	4.390	7	4.959	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	36	6.200
FY 2011	-	-	-	-	-	-	-	-	-	-	11	9.349
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - COTS OBSOLESCENCE - 4
<b>Models of Systems Affected:</b> COTS OBSOLESCENCE	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 - COTS OBSOLESCENCE		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> COTS OBSOLESCENCE						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	47	15.549

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	36	1	1	1	1	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
Out	36	1	1	1	1	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8				<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 BFTT UPGRADE KITS - 5				
<b>Models of Systems Affected:</b> Battle Force Tactical Training Upgrade Kits			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0204571N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	15.097	5.400	5.673	9.122	0.000	9.122	2.190	3.636	0.784	2.767	0.000	44.669
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	15.097	5.400	5.673	9.122	0.000	9.122	2.190	3.636	0.784	2.767	0.000	44.669
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>15.097</b>	<b>5.400</b>	<b>5.673</b>	<b>9.122</b>	<b>0.000</b>	<b>9.122</b>	<b>2.190</b>	<b>3.636</b>	<b>0.784</b>	<b>2.767</b>	<b>0.000</b>	<b>44.669</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

BFTT upgrade Kits: Procures various quantities of upgrade kit/Engineering Change Proposal (ECP) system components. Upgrade Kits and interface upgrades implement Fleet prioritized warfighting training improvements to the BFTT systems in order to meet evolving combat system capabilities. Training system improvements are a critical factor in achieving warfighter competencies and mission readiness. Unit costs are various.

FY11 - Upgrade Kit funding procured and integrated various BFTT upgrades to include the HLA Gateway, BEWT 3.2C & 3.3B, BFTT 3.4, TSSS 2.2E & 2.3.1 ECPs and the BEWT/SEWIP upgrade and integrated various BFTT system components/kits as well as complete system removal/upgrade of AN/USQ-T46(V)/A hardware. Installation funding supports installation of various training system hardware/software upgrades (ECPs/FCs) on surface ships.

FY12 - Upgrade Kit funding will procure and integrate various BFTT upgrades to include the HLA Gateway, BEWT 3.2C & 3.3B, BFTT 3.4, TSSS 2.2E & 2.3.1 ECPs and the BEWT/SEWIP upgrade, and integrate various BFTT system components/kits as well as complete system removal/upgrade of AN/USQ-T46(V)/A hardware. Installation funding supports installation of various training system hardware/software upgrades (ECPs/FCs) on surface ships.

FY13 - Upgrade Kit funding will procure and integrate various BFTT upgrades to include the HLA Gateway, Battle Force Tactical Training Electronic Warfare Trainer (BEWT) Baseline 3.2C & 3.3B upgrades, BFTT Baseline 3.3.1, 3.3.1A and 3.3.2 upgrades, TSSS Baseline 2.2E & 2.3.1 ECPs, and the BEWT/Surface Electronic Warfare Improvement Program (SEWIP) upgrade and integrate various BFTT system components/kits as well as complete system removal/upgrade of AN/USQ-T46(V)/A hardware. Installation funding supports installation of various training system hardware/software upgrades (ECPs/FCs) on surface ships.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 BFTT UPGRADE KITS - 5
<b>Models of Systems Affected:</b> Battle Force Tactical Training Upgrade Kits	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 BFTT UPGRADE KITS												
B Kits												
Recurring												
1.1.1) BFTT UPGRADE KITS - NonOrganic	145	12.097	54	4.601	41	5.041	101	6.082	-	-	101	6.082
<i>Subtotal Recurring</i>		12.097		4.601		5.041		6.082		0.000		6.082
<i>Total, MB040 BFTT UPGRADE KITS</i>	145	12.097	54	4.601	41	5.041	101	6.082	-	-	101	6.082
<i>Total, All Modifications</i>		12.097		4.601		5.041		6.082		0.000		6.082
<i>Procurement Cost (Procurement + Support)</i>		12.097		4.601		5.041		6.082		0.000		6.082
<i>Total Installation Cost</i>		3.000		0.799		0.632		3.040		0.000		3.040
<b>Total Cost (Procurement + Support + Installation)</b>		15.097		5.400		5.673		9.122		0.000		9.122

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 BFTT UPGRADE KITS												
B Kits												
Recurring												
1.1.1) BFTT UPGRADE KITS - NonOrganic	22	1.542	41	2.967	8	0.277	28	1.956	-	-	440	34.563
<i>Subtotal Recurring</i>		1.542		2.967		0.277		1.956		0.000		34.563
<i>Total, MB040 BFTT UPGRADE KITS</i>	22	1.542	41	2.967	8	0.277	28	1.956	-	-	440	34.563
<i>Total, All Modifications</i>		1.542		2.967		0.277		1.956		0.000		34.563
<i>Procurement Cost (Procurement + Support)</i>		1.542		2.967		0.277		1.956		0.000		34.563
<i>Total Installation Cost</i>		0.648		0.669		0.507		0.811		0.000		10.106
<b>Total Cost (Procurement + Support + Installation)</b>		2.190		3.636		0.784		2.767		0.000		44.669

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 BFTT UPGRADE KITS - 5
<b>Models of Systems Affected:</b> Battle Force Tactical Training Upgrade Kits	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Manufacturer Information: MB040 BFTT UPGRADE KITS</b>							
Manufacturer Name: New MFG - Name				Manufacturer Location: New MFG - Loc			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 0			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

<b>Installation:</b> MB040 BFTT UPGRADE KITS			<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> BFTT UPGRADE KITS					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	145	3.000	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	54	0.799	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	41	0.632	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	101	3.040	0	0.000	101	3.040
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	145	3.000	54	0.799	41	0.632	101	3.040	0	0.000	101	3.040

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	145	3.000
FY 2011	-	-	-	-	-	-	-	-	-	-	54	0.799
FY 2012	-	-	-	-	-	-	-	-	-	-	41	0.632
FY 2013	-	-	-	-	-	-	-	-	-	-	101	3.040
FY 2014	22	0.648	-	-	-	-	-	-	-	-	22	0.648
FY 2015	-	-	41	0.669	-	-	-	-	-	-	41	0.669

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 BFTT UPGRADE KITS - 5
<b>Models of Systems Affected:</b> Battle Force Tactical Training Upgrade Kits	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 BFTT UPGRADE KITS		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> BFTT UPGRADE KITS						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2016	-	-	-	-	8	0.507	-	-	-	-	8	0.507
FY 2017	-	-	-	-	-	-	28	0.811	-	-	28	0.811
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	22	0.648	41	0.669	8	0.507	28	0.811	-	-	440	10.106

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	145	10	16	15	13	12	10	9	10	25	25	25	26	3	7	7	5	8	12	11	10	2	2	2	2	7	7	7	7	-	440
Out	145	9	17	13	15	10	9	9	13	25	25	25	26	3	7	7	5	9	10	15	7	2	2	2	2	6	7	7	8	-	440

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - TSTC NSST - 6

<b>Models of Systems Affected:</b> Total Ship Training Capability Naval Seamanship Shiphandling Trainers	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.338	2.148	2.669	1.959	0.000	1.959	1.252	0.895	0.266	0.000	0.000	11.527
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.338	2.148	2.669	1.959	0.000	1.959	1.252	0.895	0.266	0.000	0.000	11.527
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2.338</b>	<b>2.148</b>	<b>2.669</b>	<b>1.959</b>	<b>0.000</b>	<b>1.959</b>	<b>1.252</b>	<b>0.895</b>	<b>0.266</b>	<b>0.000</b>	<b>0.000</b>	<b>11.527</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Navigation Seamanship and Shiphandling Trainer (NSST) is the navigation/ship control component of the Total Ship Training System (TSTC); SCD 376. The TSTC integrates existing and emergent onboard training and assessment system capabilities to simulate realistic, "train like you fight", combat-like conditions across weapon sensor and combat systems. Migration to TSTC improvements is required to ensure continued, persistent FST interoperability. One of the training systems under this capability includes the Navigation Seamanship and Shiphandling Trainer (NSST).

FY11 - TSTC NSST funds will procure (6) NSST and ILS support for DDG 51, CG 47, LSD 41/49, FFG, and CVN 68 Class ships. Installation funding supports installation of TSTC components including NSST on CG-47, DDG-51, LSD 41/49, FFG, and CVN 68 Class ships.

FY12 - TSTC NSST funds will procure (8) NSST and ILS support for DDG 51, CG 47, LSD 41/49, FFG, and CVN 68 Class ships. Installation funding supports installation of TSTC components including NSST on CG-47, DDG-51, LSD 41/49, FFG, and CVN 68 Class ships.

FY13 - TSTC NSST funds will procure (4) NSST and Integrated Logistic Support (ILS) support for DDG 51, CG 47, LSD 41/49, FFG, and CVN 68 Class ships. Installation funding supports installation of TSTC components including NSST on CG-47, DDG-51, LSD 41/49, FFG, and CVN 68 Class ships.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8					<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - TSTC NSST - 6			
<b>Models of Systems Affected:</b> Total Ship Training Capability Naval Seamanship Shiphandling Trainers					<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b> 0204571N			
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
MB040 - TSTC NSST													
B Kits													
Recurring													
1.1.1) MB040 NSST - NonOrganic	26	2.222	6	1.373	8	1.868	4	0.953	-	-	4	0.953	
<i>Subtotal Recurring</i>		2.222		1.373		1.868		0.953		0.000		0.953	
<i>Total, MB040 - TSTC NSST</i>	26	2.222	6	1.373	8	1.868	4	0.953	-	-	4	0.953	
<i>Total, All Modifications</i>		2.222		1.373		1.868		0.953		0.000		0.953	
<i>Procurement Cost (Procurement + Support)</i>		2.222		1.373		1.868		0.953		0.000		0.953	
<i>Total Installation Cost</i>		0.116		0.775		0.801		1.006		0.000		1.006	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>2.338</b>		<b>2.148</b>		<b>2.669</b>		<b>1.959</b>		<b>0.000</b>		<b>1.959</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
MB040 - TSTC NSST													
B Kits													
Recurring													
1.1.1) MB040 NSST - NonOrganic	3	0.729	2	0.496	-	-	-	-	-	-	49	7.641	
<i>Subtotal Recurring</i>		0.729		0.496		0.000		0.000		0.000		7.641	
<i>Total, MB040 - TSTC NSST</i>	3	0.729	2	0.496	-	-	-	-	-	-	49	7.641	
<i>Total, All Modifications</i>		0.729		0.496		0.000		0.000		0.000		7.641	
<i>Procurement Cost (Procurement + Support)</i>		0.729		0.496		0.000		0.000		0.000		7.641	
<i>Total Installation Cost</i>		0.523		0.399		0.266		0.000		0.000		3.886	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>1.252</b>		<b>0.895</b>		<b>0.266</b>		<b>0.000</b>		<b>0.000</b>		<b>11.527</b>	
<b>Remarks:</b>													

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - TSTC NSST - 6

<b>Models of Systems Affected:</b> Total Ship Training Capability Naval Seamanship Shiphandling Trainers	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Manufacturer Information: MB040 - TSTC NSST</b>	
Manufacturer Name: Kongsberg	Manufacturer Location: Mystic, CT
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 6

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jun 2011	Jun 2012	Jun 2013	Jun 2014	Jun 2015		
Delivery Dates	Mar 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016		

<b>Installation:</b> MB040 - TSTC NSST	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> MB040 NSST
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	21	0.116	5	0.775	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	6	0.801	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	8	1.006	0	0.000	8	1.006
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	21	0.116	5	0.775	6	0.801	8	1.006	0	0.000	8	1.006

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	26	0.891
FY 2011	-	-	-	-	-	-	-	-	-	-	6	0.801
FY 2012	-	-	-	-	-	-	-	-	-	-	8	1.006
FY 2013	4	0.523	-	-	-	-	-	-	-	-	4	0.523
FY 2014	-	-	3	0.399	-	-	-	-	-	-	3	0.399
FY 2015	-	-	-	-	2	0.266	-	-	-	-	2	0.266



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - TSTC NSST - 6
<b>Models of Systems Affected:</b> Total Ship Training Capability Naval Seamanship Shiphandling Trainers	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 - TSTC NSST		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> MB040 NSST						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	4	0.523	3	0.399	2	0.266	-	-	-	-	49	3.886

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	21	-	2	2	1	-	4	1	1	-	3	3	2	-	1	2	1	-	2	1	-	-	1	1	-	-	-	-	-	-	49
Out	21	1	2	1	1	-	4	1	1	-	3	3	2	-	1	2	1	-	1	2	-	-	-	-	1	1	-	-	-	-	49

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - TSTC DCTMS - 7

<b>Models of Systems Affected:</b> Total Ship Training Capability Damage Control Training Management System	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	9.221	2.010	1.306	0.000	0.000	0.000	1.077	1.093	0.000	0.000	0.000	14.707
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	9.221	2.010	1.306	0.000	0.000	0.000	1.077	1.093	0.000	0.000	0.000	14.707
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>9.221</b>	<b>2.010</b>	<b>1.306</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.077</b>	<b>1.093</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>14.707</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Damage Control Training and Management System (DCTMS) is the damage control tactical component of the Total Ship Training Capability (TSTC) SCD 39. Prior Year (PY 2008) Installation Costs included in procurement. The Total Ship Training Capability (TSTC) integrates existing and emergent onboard training and assessment system capabilities to simulate realistic, "train like you fight", combat-like conditions across weapon sensor and combat systems. Migration to TSTC improvements is required to ensure continued, persistent FST interoperability. The training systems included under this capability include the DCTMS.

FY11 - TSTC DCTMS funds procure (4) DCTMS TSTC components and ILS support for DDG 51, CG 47, LSD 41/49, FFG, and CVN 68 Class ships. Installation funding supports installation of TSTC components including DCTMS on CG-47, DDG-51, LSD 41/49, FFG, and CVN 68 Class ships.

FY12 - TSTC DCTMS funds procure (2) DCTMS TSTC component and ILS support for DDG 51, CG 47, LSD 41/49, FFG, and CVN 68 Class ships. Installation funding supports installation of TSTC components including DCTMS on CG-47, DDG-51, LSD 41/49, FFG, and CVN 68 Class ships.

FY13 TSTC DCTMS funds will procure (0) DCTMS TSTC component and ILS support for DDG 51, CG 47, LSD 41/49, FFG, and CVN 68 Class ships.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - TSTC DCTMS - 7

<b>Models of Systems Affected:</b> Total Ship Training Capability Damage Control Training Management System	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - TSTC DCTMS												
B Kits												
Recurring												
1.1.1) TSTC - DCTMS - NonOrganic	18	7.921	4	1.540	2	0.786	-	-	-	-	-	-
<i>Subtotal Recurring</i>		7.921		1.540		0.786		0.000		0.000		0.000
<i>Total, MB040 - TSTC DCTMS</i>	18	7.921	4	1.540	2	0.786	-	-	-	-	-	-
<i>Total, All Modifications</i>		7.921		1.540		0.786		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		7.921		1.540		0.786		0.000		0.000		0.000
<i>Total Installation Cost</i>		1.300		0.470		0.520		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>9.221</b>		<b>2.010</b>		<b>1.306</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - TSTC DCTMS												
B Kits												
Recurring												
1.1.1) TSTC - DCTMS - NonOrganic	2	0.817	2	0.833	-	-	-	-	-	-	28	11.897
<i>Subtotal Recurring</i>		0.817		0.833		0.000		0.000		0.000		11.897
<i>Total, MB040 - TSTC DCTMS</i>	2	0.817	2	0.833	-	-	-	-	-	-	28	11.897
<i>Total, All Modifications</i>		0.817		0.833		0.000		0.000		0.000		11.897
<i>Procurement Cost (Procurement + Support)</i>		0.817		0.833		0.000		0.000		0.000		11.897
<i>Total Installation Cost</i>		0.260		0.260		0.000		0.000		0.000		2.810
<b>Total Cost (Procurement + Support + Installation)</b>		<b>1.077</b>		<b>1.093</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>14.707</b>

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - TSTC DCTMS - 7
<b>Models of Systems Affected:</b> Total Ship Training Capability Damage Control Training Management System	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Manufacturer Information: MB040 - TSTC DCTMS</b>							
Manufacturer Name: Naval Surface Warfare Center				Manufacturer Location: Carderock, MD			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 4			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Nov 2011	Nov 2012	Nov 2013	Nov 2014	Nov 2015	
Delivery Dates	Mar 2011	Mar 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	

<b>Installation:</b> MB040 - TSTC DCTMS			<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> TSTC - DCTMS					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	18	1.300	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	4	0.470	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	2	0.520	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	18	1.300	4	0.470	2	0.520	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	18	1.300
FY 2011	-	-	-	-	-	-	-	-	-	-	4	0.470
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.520
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	2	0.260	-	-	-	-	-	-	-	-	2	0.260

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8		<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment
<b>Models of Systems Affected:</b> Total Ship Training Capability Damage Control Training Management System		<b>Modification Nomenclature (Modification Title, Modification Number):</b> MB040 - TSTC DCTMS - 7
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 - TSTC DCTMS				<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> TSTC - DCTMS				
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2015	-	-	2	0.260	-	-	-	-	-	-	2	0.260
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	2	0.260	2	0.260	-	-	-	-	-	-	28	2.810

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	18	-	2	2	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	28
Out	18	-	2	2	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	28

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - LHD 1 WASP - 8

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> LHD 1 WASP	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	2.600	1.121	0.000	1.121	0.000	0.000	0.000	0.000	0.000	3.721
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	2.600	1.121	0.000	1.121	0.000	0.000	0.000	0.000	0.000	3.721
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>2.600</b>	<b>1.121</b>	<b>0.000</b>	<b>1.121</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>3.721</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procure a complete AN/USQ-T46D System for the LHD 1 WASP.

FY12 - Funding was provided to procure 1 full BFTT Ship Set for the LHD 1 WASP.

FY13 - Funding was provided to complete the procurement of 1 full BFTT Ship Set for the LHD 1 WASP. Installation funding supports the installation of this LHD 1 WASP.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8					<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - LHD 1 WASP - 8			
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> LHD 1 WASP					<b>Related RDT&amp;E PEs:</b> 0204571N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
MB040 - LHD 1 WASP													
B Kits													
Recurring													
1.1.1) LHD 1 WASP - NonOrganic	-	-	-	-	1	2.600	-	0.596	-	-	-	0.596	
<i>Subtotal Recurring</i>		0.000		0.000		2.600		0.596		0.000		0.596	
<i>Total, MB040 - LHD 1 WASP</i>	-	-	-	-	1	2.600	-	0.596	-	-	-	0.596	
<i>Total, All Modifications</i>		0.000		0.000		2.600		0.596		0.000		0.596	
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		2.600		0.596		0.000		0.596	
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.525		0.000		0.525	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>2.600</b>		<b>1.121</b>		<b>0.000</b>		<b>1.121</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
MB040 - LHD 1 WASP													
B Kits													
Recurring													
1.1.1) LHD 1 WASP - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	3.196	
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		3.196	
<i>Total, MB040 - LHD 1 WASP</i>	-	-	-	-	-	-	-	-	-	-	1	3.196	
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		3.196	
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		3.196	
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.525	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>3.721</b>	
<b>Remarks:</b>													
<b>Manufacturer Information: MB040 - LHD 1 WASP</b>													
Manufacturer Name: Various						Manufacturer Location: Various							

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - LHD 1 WASP - 8

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> LHD 1 WASP	<b>Related RDT&amp;E PEs:</b> 0204571N
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**Manufacturer Information:** MB040 - LHD 1 WASP

Administrative Leadtime (*in Months*): 3      Production Leadtime (*in Months*): 9

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Dec 2011					
Delivery Dates		Sep 2012					

**Installation:** MB040 - LHD 1 WASP      **Method of Implementation:** ALT      **Installation Name:** LHD 1 WASP

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	1	0.525	0	0.000	1	0.525
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	1	0.525	0	0.000	1	0.525

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.525
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8		<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - LHD 1 WASP - 8
<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> LHD 1 WASP	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 - LHD 1 WASP	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> LHD 1 WASP
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	1	0.525

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> (Modification Title, Modification Number): MB040 - LHD 3 SSDS MK 2 UPGRADE - 9

<b>Models of Systems Affected:</b> LHD 3 Ship Self Defense System MK 2 Upgrade	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.308	1.231	0.000	0.000	2.539
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.308	1.231	0.000	0.000	2.539
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.308</b>	<b>1.231</b>	<b>0.000</b>	<b>0.000</b>	<b>2.539</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Procure a complete AN/USQ-T46D System for the LHD 3 Ship Self Defense System (SSDS) MK 2 Upgrade. Installation funding supports the installation of the LHD 3.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - LHD 3 SSDS MK 2 UPGRADE - 9

<b>Models of Systems Affected:</b> LHD 3 Ship Self Defense System MK 2 Upgrade	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - LHD 3 SSDS MK 2 UPGRADE												
B Kits												
Recurring												
1.1.1) LHD 3 SSDS MK 2 UPGRADE - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total, MB040 - LHD 3 SSDS MK 2 UPGRADE</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
MB040 - LHD 3 SSDS MK 2 UPGRADE												
B Kits												
Recurring												
1.1.1) LHD 3 SSDS MK 2 UPGRADE - NonOrganic	-	-	1	1.308	-	0.650	-	-	-	-	1	1.958
<i>Subtotal Recurring</i>		0.000		1.308		0.650		0.000		0.000		1.958
<i>Total, MB040 - LHD 3 SSDS MK 2 UPGRADE</i>	-	-	1	1.308	-	0.650	-	-	-	-	1	1.958
<i>Total, All Modifications</i>		0.000		1.308		0.650		0.000		0.000		1.958
<i>Procurement Cost (Procurement + Support)</i>		0.000		1.308		0.650		0.000		0.000		1.958
<i>Total Installation Cost</i>		0.000		0.000		0.581		0.000		0.000		0.581
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>1.308</b>		<b>1.231</b>		<b>0.000</b>		<b>0.000</b>		<b>2.539</b>

Remarks:

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): MB040 - LHD 3 SSDS MK 2 UPGRADE - 9

<b>Models of Systems Affected:</b> LHD 3 Ship Self Defense System MK 2 Upgrade	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N
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<b>Manufacturer Information: MB040 - LHD 3 SSDS MK 2 UPGRADE</b>							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime ( <i>in Months</i> ): 3				Production Leadtime ( <i>in Months</i> ): 9			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates					Dec 2014		
Delivery Dates					Sep 2015		

<b>Installation:</b> MB040 - LHD 3 SSDS MK 2 UPGRADE	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> LHD 3 SSDS MK 2 UPGRADE
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 8	<b>P-1 Line Item Nomenclature:</b> 2762 - Other Training Equipment	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> MB040 - LHD 3 SSDS MK 2 UPGRADE - 9
<b>Models of Systems Affected:</b> LHD 3 Ship Self Defense System MK 2 Upgrade	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0204571N

<b>Installation:</b> MB040 - LHD 3 SSDS MK 2 UPGRADE		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> LHD 3 SSDS MK 2 UPGRADE						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2015	-	-	-	-	1	0.581	-	-	-	-	1	0.581
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	1	0.581	-	-	-	-	1	0.581

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2815 - MATCALs

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	197.121	39.747	13.368	5.861	-	5.861	5.999	13.638	6.322	6.438	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	197.121	39.747	13.368	5.861	-	5.861	5.999	13.638	6.322	6.438	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	197.121	39.747	13.368	5.861	-	5.861	5.999	13.638	6.322	6.438	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

DESCRIPTION: Marine Air Traffic Control and Landing Systems (MATCALs) is a fully automated all-weather expeditionary terminal Air Traffic Control (ATC) System that provides arrival/departure and enroute surveillance control, automated precision approach and landing control or Ground Controlled Approach, Tactical Air Navigation (TACAN), and other ATC services. MATCALs satisfies the operational requirements set forth by Specific Operational Requirements (SOR) 34-22 of 12 Jul 1973; Marine Remote Area Approach and Landing System SOR 34-26 of 30 Apr 1975; Remote Landing Site Tower (RLST) Operational Requirements Document (ORD) 341-88-93 of 25 Jul 1997; and Air Traffic Navigation Integration and Coordination System ORD 05-002 of 03 Dec 1992.

MATCALs, with other Marine Air Command and Control Systems (MACCS) and federal agencies, provides the ability to project air combat power in the Amphibious Operations Area (AOA) without regard to weather. ATC and landing automation reduces air traffic controllers' traffic handling and management time, allowing more time for mission response and task accomplishment. It supports a required increase in aircraft sortie rates and contributes to extended time on target. The system provides for integration of ATC into the total MACCS.

MATCALs has three primary subsystems: (1) Air Traffic Control Subsystem (ATCS) consisting of an AN/TPS-73 Airport Surveillance Radar (ASR) and various peripheral equipment; (2) All-Weather Landing Subsystem consisting of an AN/TPN-22 Precision Approach Landing Radar, AN/UJK-44 computer and peripheral equipment; and (3) the Control and Communications Subsystem (AN/TSQ-131) with a Communications Control Group, radios, computer software, multi mode displays and peripherals. Other Fleet Marine Force ATC equipment supported by the MATCALs funding line are the AN/TSQ-120 Tower, AN/TRN-44 TACAN, AN/TPN-30 Marine Remote Area Approach & Landing Set (MRAALS), the AN/TSQ-216 RLST, Maintenance Shelters, Distance/Azimuth Measure Equipment (D/AME), and various related items.

A portion of the current MATCALs equipment is being transitioned to the Air Surveillance and Precision Approach Radar Control Systems (ASPARCS) (MROC decision memorandum 11-2005 dated 8 December 2004). ASPARCS consists of an ASR, which will replace the AN/TPS-73; a Precision Approach Radar, which will replace the AN/TPN-22; and a Command and Control (C2) Node, which will replace the AN/TSQ-131. ASPARCS will provide greater mobility, transportability, reliability, maintainability, and interoperability with Marine Corps/Navy Command and Control Systems than the current MATCALs. An Acquisition Decision Memorandum was signed January 2005, approving the procurement of the Army AN/TPN-31 system to fulfill the ASPARCS requirement.

The Air Traffic Navigation Integration and Coordination System (ATNAVICs) ASR Range Extension is funded to meet requirements identified in the ATC ICD, MROC DM 75-7007, MACC OAG and HQMC APX-25 Requirement Clarification letter dated 05 Jan 2010. This is a new start in FY 2012. The gaps identified require sustainment of legacy sensor capability until such time as ATNAVICs P31 initiatives enhance system capability to support main air base traffic density and airspace. Additionally, the positive control enabled by increased ASR range reduces separation enabling increased sortie rates.

FY 2011 provides funding to procure various Maintainability/Reliability Improvements (MJ427), 1 ASPARCS System (MJ434), and associated support.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
2815 - MATCALs

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

FY 2011 OCO budget provides funding to procure various Maintainability/Reliability Improvements, to include Range Extension associated with ASPARCS (MJ427), 4 Command, Control and Communication (C3) Node kits (MJ450), and associated support.

FY 2012 provides funding to procure various Maintainability/Reliability Improvements (MJ427), ATNAVICs ASR Range Extension PE and ILS, and associated support.

FY 2013 provides funding to procure various Maintainability/Reliability Improvements (MJ427), 2 AN/TPN-31A ATNAVICs ASR Range Extensions, and associated support.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
MATCALs (See enclosed P-40A)	P40A, P5A, P21				197.121			39.747			9.531			2.181			0.000			2.181
AN/TPN-31A ATNAVICs ASR Range Extension - 1	P3A		-	-	0.000	-	-	0.000	-	-	3.837	-	-	3.680	-	-	0.000	-	-	3.680
<b>Total Gross/Weapon System Cost</b>					<b>197.121</b>			<b>39.747</b>			<b>13.368</b>			<b>5.861</b>			<b>-</b>			<b>5.861</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
MATCALs (See enclosed P-40A)	P40A, P5A, P21				0.000			0.000			0.000			0.000			0.000			0.000
AN/TPN-31A ATNAVICs ASR Range Extension - 1	P3A		-	-	3.821	-	-	11.384	-	-	3.939	-	-	4.152	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>					<b>5.999</b>			<b>13.638</b>			<b>6.322</b>			<b>6.438</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 9 **P-1 Line Item Nomenclature:** 2815 - MATCALs **Aggregated Item Name:** MATCALs

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) HARDWARE</b>																			
1.1) AN/TSQ-216 Tower (RLST - OCO) (MJ429)	A	-	-	2.223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) MATCALs Radio ASPARCS PRC-117F - OCO (MJ433)	A	-	-	0.546	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
† 1.3) ASPARCS (MJ434)	A	-	-	76.790	10.092K	1	10.092	-	-	-	-	-	-	-	-	-	-	-	
1.4) ASPARCS - OCO (MJ434)	A	-	-	21.242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) AN/TSQ-120B TOWER - OCO (MJ439)	A	-	-	2.544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.6) D/AME AN/TRN-47 MANPORTABLE TACAN - OCO (MJ440)	A	-	-	25.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
† 1.7) LOGISTICS SUPPORT SYSTEM - OCO (MJ441)	A	-	-	6.810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.8) MATCALs RADIO ASPARCS PRC-150 - OCO (MJ443)	A	-	-	0.138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.9) MOBILE FACILITIES - OCO (MJ445)	A	-	-	1.495	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.10) MATCALs ANCILLIARY EQUIPMENT - OCO (MJ446)	A	-	-	2.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.11) MACS Mobile Team Tactical Lighting - OCO (MJ449)	A	-	-	0.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
† 1.12) C3 Node Kits - OCO (MJ450)	A	-	-	-	307,000.00	4	1.228	-	-	-	-	-	-	-	-	-	-	-	
1.13) AN/TPN-31A ATNAVICS ASR Range Extension (MJ55) <sup>(1)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal 1) HARDWARE</i>				140.759			11.320			0.000			0.000			0.000		0.000	

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 9					P-1 Line Item Nomenclature: 2815 - MATCALs					Aggregated Item Name: MATCALs									
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>2) ECP / ECO</b>																			
2.1) MAINT / RELIABILITY IMPROVEMENT (MJ427)	A	-	-	28.316	-	-	22.129	-	-	9.401	-	-	2.058	-	-	-	-	-	2.058
Subtotal 2) ECP / ECO				28.316			22.129			9.401			2.058			0.000			2.058
<b>3) INTEGRATED LOGISTICS SUPPORT</b>																			
3.1) ILS (MJ800)	A	-	-	6.687	-	-	1.342	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) INTEGRATED LOGISTICS SUPPORT				6.687			1.342			0.000			0.000			0.000			0.000
<b>4) PRODUCTION ENGINEERING</b>																			
4.1) PE (MJ830)	A	-	-	16.484	-	-	4.846	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) PRODUCTION ENGINEERING				16.484			4.846			0.000			0.000			0.000			0.000
<b>5) ACCEPTANCE TESTING</b>																			
5.1) Acceptance Testing (MJ860)	A	-	-	0.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 5) ACCEPTANCE TESTING				0.827			0.000			0.000			0.000			0.000			0.000
<b>6) MISCELLANEOUS SUPPORT</b>																			
6.1) Install (MJ900)	B	-	-	3.685	-	-	0.110	-	-	0.111	-	-	0.104	-	-	-	-	-	0.104
6.2) INITIAL TRAINING (MJ990)	A	-	-	0.363	-	-	-	-	-	0.019	-	-	0.019	-	-	-	-	-	0.019
Subtotal 6) MISCELLANEOUS SUPPORT				4.048			0.110			0.130			0.123			0.000			0.123
<b>Total</b>				<b>197.121</b>			<b>39.747</b>			<b>9.531</b>			<b>2.181</b>			<b>0.000</b>			<b>2.181</b>

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 9 **P-1 Line Item Nomenclature:** 2815 - MATCALs **Aggregated Item Name:** MATCALs

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) HARDWARE</b>																			
1.1) AN/TSQ-216 Tower (RLST - OCO) (MJ429)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) MATCALs Radio ASPARCS PRC-117F - OCO (MJ433)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.3) ASPARCS (MJ434)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) ASPARCS - OCO (MJ434)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) AN/TSQ-120B TOWER - OCO (MJ439)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) D/AME AN/TRN-47 MANPORTABLE TACAN - OCO (MJ440)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.7) LOGISTICS SUPPORT SYSTEM - OCO (MJ441)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) MATCALs RADIO ASPARCS PRC-150 - OCO (MJ443)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) MOBILE FACILITIES - OCO (MJ445)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) MATCALs ANCILLIARY EQUIPMENT - OCO (MJ446)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.11) MACS Mobile Team Tactical Lighting - OCO (MJ449)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.12) C3 Node Kits - OCO (MJ450)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.13) AN/TPN-31A ATNAVICS ASR Range Extension (MJ55) <sup>(1)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) HARDWARE</i>				0.000			0.000			0.000			0.000			0.000			0.000

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 9 **P-1 Line Item Nomenclature:** 2815 - MATCALs **Aggregated Item Name:** MATCALs

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>2) ECP / ECO</b>																			
2.1) MAINT / RELIABILITY IMPROVEMENT (MJ427)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) ECP / ECO</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) INTEGRATED LOGISTICS SUPPORT</b>																			
3.1) ILS (MJ800)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) INTEGRATED LOGISTICS SUPPORT</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) PRODUCTION ENGINEERING</b>																			
4.1) PE (MJ830)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) PRODUCTION ENGINEERING</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) ACCEPTANCE TESTING</b>																			
5.1) Acceptance Testing (MJ860)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) ACCEPTANCE TESTING</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) MISCELLANEOUS SUPPORT</b>																			
6.1) Install (MJ900)	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) INITIAL TRAINING (MJ990)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) MISCELLANEOUS SUPPORT</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**  
(1) See P-3a for Cost Data.

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2815 - MATCALs	<b>Aggregated Item Name:</b> MATCALs
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) HARDWARE</b>												
†1.3) ASPARCS (MJ434) <sup>(2)</sup>		2011	Raytheon Corporation / Marlboro, MA	C / FPIF	PMATC Redstone Arsenal, AL	Mar 2011	Nov 2012	1	10,092,000.00	Y		Dec 2010
1.7) LOGISTICS SUPPORT SYSTEM - OCO (MJ441)	✓	2009	MCLB / Barstow, CA	WR	NAVAIR, MD	Aug 2010	Aug 2011	4	365,000.00	Y		
1.12) C3 Node Kits - OCO (MJ450)	✓	2011	Ultra Electronics / Austin, TX	C / FFP	Charleston, SC	Sep 2011	Mar 2012	4	307,000.00	N		Nov 2007

**Remarks:**  
<sup>(2)</sup>MATCALs quantities combine with Army procurements (which meet MSR).

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**Exhibit P-21, Budget Production Schedule:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 9 **P-1 Line Item Nomenclature:** 2815 - MATCAL **Aggregated Item Name:** MATCAL

COST ELEMENTS Units in Each							Fiscal Year 2013												Fiscal Year 2014												
O C O	MFR Ref #	FY	SERVICE <sup>‡</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
1) HARDWARE																															
1.3) ASPARCS (MJ434)																															
	15	2011	NAVY		1	0	1	-	1																						
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2815 - MATCAL S	<b>Aggregated Item Name:</b> MATCAL S

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Raytheon Corporation - Marlboro, MA	4	6	14	0	6	16	22	0	6	16	22

**Remarks:**  
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2815 - MATCALs	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/TPN-31A ATNAVICs ASR Range Extension - 1

<b>Models of Systems Affected:</b> MATCALs	<b>Type Modification:</b> Modification	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	3.837	3.680	0.000	3.680	3.821	11.384	3.939	4.152	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	3.837	3.680	0.000	3.680	3.821	11.384	3.939	4.152	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.000	3.837	3.680	0.000	3.680	3.821	11.384	3.939	4.152	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Air Traffic Navigation Integration and Coordination System (ATNAVICs) ASR Range Extension is funded to meet requirements identified in the ATC ICD, MROC DM 75-7007, MACC OAG and HQMC APX-25 Requirement Clarification letter dated 05 Jan 2010. This is a new start in FY 2012. The gaps identified require sustainment of legacy sensor capability until such time as ATNAVICs P3I initiatives enhance system capability to support main air base traffic density and airspace. Additionally, the positive control enabled by increased ASR range reduces separation enabling increased sortie rates. The End Item Kits for the ATNAVICs ASR Range Extension that are being procured consist of: ASR transmitter, environmental control unit/power generator, RF transmission line, ASR receiver/exciter and signal data processors and required software code modifications to system LRU's.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2815 - MATCALs	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/TPN-31A ATNAVICS ASR Range Extension - 1

<b>Models of Systems Affected:</b> MATCALs	<b>Type Modification:</b> Modification	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/TPN-31A ATNAVICS ASR Range Extension												
B Kits												
NonRecurring												
1.1.1) EQUIPMENT - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	2	2.136	-	-	2	2.136
1.1.2) Integrated Logistics Support - Organic	-	-	-	-	-	0.358	-	0.140	-	-	-	0.140
1.1.3) Production Engineering - Organic	-	-	-	-	-	3.479	-	0.468	-	-	-	0.468
<i>Subtotal NonRecurring</i>		0.000		0.000		3.837		2.744		0.000		2.744
<i>Total, AN/TPN-31A ATNAVICS ASR Range Extension</i>	-	-	-	-	-	3.837	2	2.744	-	-	2	2.744
<i>Total, All Modifications</i>		0.000		0.000		3.837		2.744		0.000		2.744
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		3.837		2.744		0.000		2.744
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.936		0.000		0.936
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>3.837</b>		<b>3.680</b>		<b>0.000</b>		<b>3.680</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/TPN-31A ATNAVICS ASR Range Extension												
B Kits												
NonRecurring												
1.1.1) EQUIPMENT - NonOrganic <sup>(3)</sup>	2	2.240	6	6.624	2	2.246	2	2.400	2	2.563	16	18.209
1.1.2) Integrated Logistics Support - Organic	-	0.151	-	0.318	-	0.110	-	0.117	Continuing	Continuing	Continuing	Continuing
1.1.3) Production Engineering - Organic	-	0.471	-	1.413	-	0.535	-	0.572	Continuing	Continuing	Continuing	Continuing
<i>Subtotal NonRecurring</i>		2.862		8.355		2.891		3.089		2.563		18.209
<i>Total, AN/TPN-31A ATNAVICS ASR Range Extension</i>	2	2.862	6	8.355	2	2.891	2	3.089	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		2.862		8.355		2.891		3.089		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		2.862		8.355		2.891		3.089		0.000		0.000

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2815 - MATCALs	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/TPN-31A ATNAVICS ASR Range Extension - 1

<b>Models of Systems Affected:</b> MATCALs	<b>Type Modification:</b> Modification	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total Installation Cost		0.959		3.029		1.048		1.063		1.290		8.325
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.821</b>		<b>11.384</b>		<b>3.939</b>		<b>4.152</b>		<b>1.290</b>		<b>8.325</b>

**Remarks:**

<sup>(3)</sup>Production Engineering and Integrated Logistics Support in FY12 is for Non-recurring Engineering and logistics efforts in preparation for the FY13 procurement.

**Manufacturer Information: AN/TPN-31A ATNAVICS ASR Range Extension**

Manufacturer Name: Raytheon				Manufacturer Location: Marlborough, MA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 6			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016
Delivery Dates			Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017

<b>Installation:</b> AN/TPN-31A ATNAVICS ASR Range Extension	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> EQUIPMENT
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	2	0.936	0	0.000	2	0.936
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	<b>2</b>	<b>0.936</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>0.936</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2815 - MATCALs	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/TPN-31A ATNAVICS ASR Range Extension - 1

<b>Models of Systems Affected:</b> MATCALs	<b>Type Modification:</b> Modification	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Installation:</b> AN/TPN-31A ATNAVICS ASR Range Extension	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> EQUIPMENT
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	2	0.959	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	6	3.029	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	2	1.048	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	2	1.063	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	2	1.290	2	1.290
<b>Total</b>	<b>2</b>	<b>0.959</b>	<b>6</b>	<b>3.029</b>	<b>2</b>	<b>1.048</b>	<b>2</b>	<b>1.063</b>	<b>2</b>	<b>1.290</b>	<b>16</b>	<b>8.325</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	-	-	3	3	-	-	1	1	-	-	1	1	2	16
Out	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	-	-	3	3	-	-	1	1	-	-	1	1	2	16

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 9 : Aviation Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2831 - Shipboard Air Traffic Control
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	168.266	7.617	7.394	8.362	-	8.362	9.225	9.914	10.050	10.269	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	168.266	7.617	7.394	8.362	-	8.362	9.225	9.914	10.050	10.269	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	168.266	7.617	7.394	8.362	-	8.362	9.225	9.914	10.050	10.269	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.415	0.895	0.107	-	0.107	0.035	0.117	0.152	0.862	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

DESCRIPTION: Shipboard Air Traffic Control (SATC) systems are responsible for safe and expeditious control of air traffic within 50 Nautical Miles of a ship. SATC systems include the air traffic surveillance radar, AN/SPN-43, and the air traffic central tracking and control system, AN/TPX-42, which has two major configurations: Carrier Air Traffic Control Center-Direct Altitude and Identity Readout (CATCC-DAIR) and Amphibious Air Traffic Control Center-Direct Altitude and Identity Readout (AATCC-DAIR). Both DAIR systems use AN/SPN-43 and Identification Friend or Foe (IFF) inputs to track and control aircraft. Obsolescence problems are being addressed through various upgrades in a phased approach. The major upgrades include a series of AN/TPX-42 modification kits requiring various combinations of AN/UYK-44 processor rehost, track processor upgrade, AN/UYQ-70 console, audio recorder, flat panel display, and other components to bring the predecessor system to AN/TPX-42A(V)14 with field changes 1, 2, 3, and 4 configuration and eventually to the Air Traffic Control Console configuration. The AN/SPN-43 radar system is required for the service-life of CVN68-CVN77 & LHA/LHD class ships with no replacement system identified. A service life extension plan will be implemented to extend the life of the AN/SPN-43 by upgrading the receiver, transmitter, and antenna/pedestal of the existing system.

FY 2011 provides funding to procure: three AN/TPX-42(V)14 Upgrade E Kits; one AN/TPX-42(V)14 Upgrade G kit; and four AN/TPX-42(V) FC4 Upgrade kits and associated support.

FY 2012 provides funding to procure: four AN/TPX-42A(V)14 Upgrade E kits; and four AN/TPX-42(V) FC4 Upgrade kits and associated support.

FY 2013 provides funding to procure: three AN/TPX-42A(V)14 FC4 Upgrade kits; three AN/TPX-42(V) FC5 Upgrade kits; and two AN/SPN-43 Receiver Upgrade kits and associated support.

Installing Agent: Shipyards and Alteration Installation Teams.

When installation to be made: Selected Restricted Availability (SRA) / Restricted Availability (RAV).

Ships or facilities to receive the equipment: CVNs, LHD/LHAs, Software Support Activity (NAWCAD, St Inigoes, MD), Integrated Combat System Test Facility (San Diego, CA), Landing Systems Test Facility (NAWCAD, Patuxent River, MD), and training sites.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2831 - Shipboard Air Traffic Control

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052) - 1	P3A		-	-	168.266	-	-	7.617	-	-	7.394	-	-	8.362	-	-	0.000	-	-	8.362
<b>Total Gross/Weapon System Cost</b>					<b>168.266</b>			<b>7.617</b>			<b>7.394</b>			<b>8.362</b>			<b>-</b>			<b>8.362</b>

		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052) - 1	P3A		-	-	9.225	-	-	9.914	-	-	10.050	-	-	10.269	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>					<b>9.225</b>			<b>9.914</b>			<b>10.050</b>			<b>10.269</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2831 - Shipboard Air Traffic Control	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052) - 1

<b>Models of Systems Affected:</b> CVNs, L-class	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	168.266	7.617	7.394	8.362	0.000	8.362	9.225	9.914	10.050	10.269	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	168.266	7.617	7.394	8.362	0.000	8.362	9.225	9.914	10.050	10.269	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>168.266</b>	<b>7.617</b>	<b>7.394</b>	<b>8.362</b>	<b>0.000</b>	<b>8.362</b>	<b>9.225</b>	<b>9.914</b>	<b>10.050</b>	<b>10.269</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The equipment and installation costs on this P-3a are for individual modification programs that do not exceed \$5 million in either budget or \$10 million in three years. This exhibit summarizes procurement and installation for Cost Codes MP023, MP048, MP049, MP050, MP051, and MP052. Line item "Engineering Changes to Correct Deficiencies" captures unanticipated emergent engineering changes. Inventory Objectives for the below modification programs is set forth in the respective CNO letters authorizing each modification. Contractor: NAWCAD; Location: St. Inigoes, MD; Min Rate: 1, Max Rate: 5.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2831 - Shipboard Air Traffic Control						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052) - 1				
<b>Models of Systems Affected:</b> CVNs, L-class				<b>Type Modification:</b> Modernization						<b>Related RDT&amp;E PEs:</b>				
<b>Financial Plan</b>			<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
			<b>Qty (Each)</b>	<b>Total Cost (\$ M )</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M )</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M )</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M )</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M )</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M )</b>
<b>Procurement</b>														
SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)														
B Kits														
Recurring														
2.1.1) TPX-42 UPG, E Kit - NonOrganic			10	5.308	3	1.846	4	2.640	-	-	-	-	-	-
2.1.2) TPX-42 UPG, F Kit - NonOrganic			1	1.604	-	-	-	-	-	-	-	-	-	-
2.1.3) TPX-42 UPG, G Kit - NonOrganic			6	7.302	1	1.238	-	-	-	-	-	-	-	
2.1.4) TPX-42 UPG, FC4 - NonOrganic			-	-	4	0.240	4	0.400	3	0.315	-	-	3	0.315
2.1.5) TPX-42 UPG, FC5 - NonOrganic			-	-	-	-	-	-	3	2.828	-	-	3	2.828
2.1.6) SPN-43 Pitch/Roll Servo - NonOrganic			28	1.514	-	-	-	-	-	-	-	-	-	-
2.1.7) SPN-43 Tilt Meter - NonOrganic			27	0.007	-	-	-	-	-	-	-	-	-	-
2.1.8) SPN-43 STALO Repl - NonOrganic			28	0.363	-	-	-	-	-	-	-	-	-	-
2.1.9) SPN-43 Halyard Protection - NonOrganic			5	0.018	-	-	-	-	-	-	-	-	-	-
2.1.10) SPN-43 Bandpass Filter - NonOrganic			2	0.086	-	-	-	-	-	-	-	-	-	-
2.1.11) SPN-43 Pedestal Upgrade - NonOrganic			-	-	-	-	-	-	-	-	-	-	-	-
2.1.12) SPN-43 Receiver Upgrade - NonOrganic			-	-	-	-	-	-	2	0.900	-	-	2	0.900
2.1.13) SPN-43 Transmitter Upgrade - NonOrganic			-	-	-	-	-	-	-	-	-	-	-	-
2.1.14) Prior Year Equipment - Organic			-	136.015	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>				152.217		3.324		3.040		4.043		0.000		4.043
<i>Total, SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)</i>			107	152.217	8	3.324	8	3.040	8	4.043	-	-	8	4.043
<i>Total, All Modifications</i>				152.217		3.324		3.040		4.043		0.000		4.043
<b>Support</b>														
3.1) Engineering Changes to Correct Deficiencies			-	0.350	-	0.069	-	0.506	-	-	-	-	-	-
3.2) Integrated Logistics Support			-	1.753	-	0.333	-	0.422	-	0.166	-	-	-	0.166
3.3) Production Engineering			-	2.168	-	0.301	-	0.428	-	0.303	-	-	-	0.303



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2831 - Shipboard Air Traffic Control	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052) - 1

<b>Models of Systems Affected:</b> CVNs, L-class	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b>										
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
3.4) Quality Assurance	-	0.376	-	0.072	-	0.108	-	0.050	-	-	-	0.050
3.5) Acceptance Test & Evaluation	-	0.198	-	-	-	-	-	-	-	-	-	-
<b>Total Support Cost</b>		<b>4.845</b>		<b>0.775</b>		<b>1.464</b>		<b>0.519</b>		<b>0.000</b>		<b>0.519</b>
<b>Procurement Cost (Procurement + Support)</b>		<b>157.062</b>		<b>4.099</b>		<b>4.504</b>		<b>4.562</b>		<b>0.000</b>		<b>4.562</b>
<b>Total Installation Cost</b>		<b>11.204</b>		<b>3.518</b>		<b>2.890</b>		<b>3.800</b>		<b>0.000</b>		<b>3.800</b>
<b>Total Cost (Procurement + Support + Installation)</b>		<b>168.266</b>		<b>7.617</b>		<b>7.394</b>		<b>8.362</b>		<b>0.000</b>		<b>8.362</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)												
B Kits												
Recurring												
2.1.1) TPX-42 UPG, E Kit - NonOrganic	-	-	-	-	-	-	-	-	-	-	17	9.794
2.1.2) TPX-42 UPG, F Kit - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	1.604
2.1.3) TPX-42 UPG, G Kit - NonOrganic	-	-	-	-	-	-	-	-	-	-	7	8.540
2.1.4) TPX-42 UPG, FC4 - NonOrganic	3	0.320	3	0.340	3	0.350	3	0.220	2	0.230	25	2.415
2.1.5) TPX-42 UPG, FC5 - NonOrganic	3	2.930	3	2.957	3	2.961	2	2.100	11	12.521	25	26.297
2.1.6) SPN-43 Pitch/Roll Servo - NonOrganic	-	-	-	-	-	-	-	-	-	-	28	1.514
2.1.7) SPN-43 Tilt Meter - NonOrganic	-	-	-	-	-	-	-	-	-	-	27	0.007
2.1.8) SPN-43 STALO Repl - NonOrganic	-	-	-	-	-	-	-	-	-	-	28	0.363
2.1.9) SPN-43 Halyard Protection - NonOrganic	-	-	-	-	-	-	-	-	-	-	5	0.018
2.1.10) SPN-43 Bandpass Filter - NonOrganic	-	-	-	-	-	-	-	-	-	-	2	0.086
2.1.11) SPN-43 Pedestal Upgrade - NonOrganic	-	-	-	-	-	-	0	0.000	25	15.250	25	15.250
2.1.12) SPN-43 Receiver Upgrade - NonOrganic	4	1.815	4	1.825	4	1.841	4	2.024	7	4.555	25	12.960
2.1.13) SPN-43 Transmitter Upgrade - NonOrganic	-	-	-	-	1	0.600	2	1.235	22	13.372	25	15.207

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2831 - Shipboard Air Traffic Control	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052) - 1

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
	2.1.14) Prior Year Equipment - Organic	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		5.065		5.122		5.752		5.579		45.928		230.070
<i>Total, SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)</i>	10	5.065	10	5.122	11	5.752	11	5.579	67	45.928	240	230.070
<i>Total, All Modifications</i>		5.065		5.122		5.752		5.579		45.928		230.070
<b>Support</b>												
3.1) Engineering Changes to Correct Deficiencies	-	-	-	0.326	-	-	-	-	-	-	-	1.251
3.2) Integrated Logistics Support	-	0.100	-	0.100	-	0.074	-	0.128	Continuing	Continuing	Continuing	Continuing
3.3) Production Engineering	-	0.177	-	0.417	-	0.210	-	0.449	Continuing	Continuing	Continuing	Continuing
3.4) Quality Assurance	-	0.025	-	0.025	-	0.025	-	0.052	Continuing	Continuing	Continuing	Continuing
3.5) Acceptance Test & Evaluation	-	-	-	-	-	-	-	-	-	-	-	0.198
<i>Total Support Cost</i>		0.302		0.868		0.309		0.629		0.000		1.449
<i>Procurement Cost (Procurement + Support)</i>		5.367		5.990		6.061		6.208		45.928		231.519
<i>Total Installation Cost</i>		3.858		3.924		3.989		4.061		22.079		59.323
<b>Total Cost (Procurement + Support + Installation)</b>		<b>9.225</b>		<b>9.914</b>		<b>10.050</b>		<b>10.269</b>		<b>68.007</b>		<b>290.842</b>

**Remarks:**

<b>Manufacturer Information: SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)</b>							
Manufacturer Name: NAWCAD				Manufacturer Location: Patuxent River, MD			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 6			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Apr 2011	Apr 2012	Apr 2013				
Delivery Dates	Oct 2011	Oct 2012	Oct 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2831 - Shipboard Air Traffic Control	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052) - 1

<b>Models of Systems Affected:</b> CVNs, L-class	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)	<b>Method of Implementation:</b> Field Change Install Team	<b>Installation Name:</b> SATC Modernization Kit Summary
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	99	11.204	8	3.518	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	8	2.890	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	8	3.800	0	0.000	8	3.800
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>99</b>	<b>11.204</b>	<b>8</b>	<b>3.518</b>	<b>8</b>	<b>2.890</b>	<b>8</b>	<b>3.800</b>	<b>0</b>	<b>0.000</b>	<b>8</b>	<b>3.800</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	107	14.722
FY 2011	-	-	-	-	-	-	-	-	-	-	8	2.890
FY 2012	-	-	-	-	-	-	-	-	-	-	8	3.800
FY 2013	8	3.858	-	-	-	-	-	-	-	-	8	3.858
FY 2014	-	-	10	3.924	-	-	-	-	-	-	10	3.924
FY 2015	-	-	-	-	10	3.989	-	-	-	-	10	3.989
FY 2016	-	-	-	-	-	-	11	4.061	-	-	11	4.061
FY 2017	-	-	-	-	-	-	-	-	11	4.652	11	4.652
To Complete	-	-	-	-	-	-	-	-	67	17.427	67	17.427
<b>Total</b>	<b>8</b>	<b>3.858</b>	<b>10</b>	<b>3.924</b>	<b>10</b>	<b>3.989</b>	<b>11</b>	<b>4.061</b>	<b>78</b>	<b>22.079</b>	<b>240</b>	<b>59.323</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2831 - Shipboard Air Traffic Control	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052) - 1

<b>Models of Systems Affected:</b> CVNs, L-class	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)	<b>Method of Implementation:</b> Field Change Install Team	<b>Installation Name:</b> SATC Modernization Kit Summary
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	99	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	2	2	3	3	3	78	240
Out	99	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	2	2	3	3	3	78	240

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 9 : Aviation Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0604504N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	43.145	10.724	17.018	15.685	-	15.685	17.897	19.137	19.456	19.841	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	43.145	10.724	17.018	15.685	-	15.685	17.897	19.137	19.456	19.841	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	43.145	10.724	17.018	15.685	-	15.685	17.897	19.137	19.456	19.841	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	1.418	1.502	0.381	-	0.381	0.088	0.564	0.626	0.102	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Automatic Carrier Landing System (ACLS) provides the primary precision electronic guidance for landing aircraft under all weather conditions on CVNs, LHAs, LHDs and selected Naval Air Stations. Many of the components in the system have been in service for more than twenty years. This program funds maintainability, reliability and supportability improvements to existing equipment components that can no longer be maintained and supported, as well as items providing upgraded operational capability. AN/SPN-46 Life Cycle Extension (LCE) sustainment efforts will be supplemented with other changes, as necessary, to offset obsolescence and supportability issues, the need for Commercial Off-The-Shelf (COTS) refresh, and to support system interface requirements. LCE efforts include Radar Control Group Unit 19, Embedded Global Positioning System and Inertial Navigation System (EGI) replacement, Computer Group replacement, Radar Receiver set replacement, Peripheral Display replacement, and Common Console replacement efforts. AN/SPN-41 LCE sustainment efforts will be supplemented with other changes, as necessary, to offset obsolescence and supportability issues and to support systems interface requirements. Additionally, the AN/SPN-41 system is the Joint Precision Approach and Landing System (JPALS) back-up system.

FY 2011 provides funding to procure: two AN/SPN-46(V)3 Computer Group Modification Kits (PN412), one AN/SPN-46(V)3 Radar Set Group Modification Kits (PN413), and one AN/SPN-46(V)3 Common Console Modification Kit (PN415). Funding to procure 10 ACLS modification kits (PN408) - which includes: three AN/SPN-41(V) Coder Monitor Modification Kits, five AN/SPN-41(V) Electronic Drawer Assembly Modification Kits, one AN/SPN-41(V) Transmitter Modification Kit and one AN/SPN-41(V) TILS Modification Kit.

FY 2012 provides funding to procure: four AN/SPN-46(V)3 EGI Modification Kits (PN411), two AN/SPN-46(V)3 Radar Set Group Modification Kits (PN413), four AN/SPN-46(V)3 Peripheral Display Kits (PN414), and two AN/SPN-46(V)3 Common Console Modification Kits (PN415). Funding to procure 22 ACLS modification kits (PN408) - which includes: seven AN/SPN-41(V) Transmitter Modification Kits, three AN/SPN-41(V) Coder Monitor Modification Kit, three AN/SPN-41(V) Electronic Drawer Assembly Modification Kit, four AN/SPN-41 Radome Hardware Upgrade Modification Kits, one AN/SPN-35 UPS Modification Kit, one AN/SPN-46 Unit 13 MCG Modification Kit and three AN/SPN-46 RAM Pole Modification Kits.

FY2013 provides funding to procure: two AN/SPN-46(V)3 EGI Modification Kits (PN411), one AN/SPN-46(V)3 Radar Set Group Modification Kits (PN413), one AN/SPN-46(V)3 Peripheral Display Kits (PN414), 18 ACLS modification kits (PN408) - which includes: four AN/SPN-41(V) Transmitter Modification Kits, four AN/SPN-41(V) Coder Monitor Modification Kit, four AN/SPN-41(V) Electronic Drawer Assembly Modification Kit, three AN/SPN-41 Radome Hardware Upgrade Modification Kits, and three AN/SPN-46 RAM Pole Modification Kits, COTS Refresh and Obsolescence Components ECP's.

Installing Agent: Shipyards and Alteration Installation Teams (AITs).

Ships or facilities to receive equipment: CVNs, LHAs, LHDs, the In-Service Engineering Agent (ISEA-NAWCAD, St. Inigoes), selected shore sites and the training site.

\* Prior year total amount only accounts for items funded in the current FYDP.

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
2832 - Automatic Carrier Landing System

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0604504N

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
ACLS MOD KITS SUMMARY PN408 - 1	P3A		-	-	23.679	-	-	4.817	-	-	9.292	-	-	8.235	-	-	0.000	-	-	8.235
AN/SPN-46 (V) 3 EGI PN411 - 2	P3A		-	-	2.317	-	-	0.447	-	-	1.592	-	-	1.231	-	-	0.000	-	-	1.231
AN/SPN-46 (V)3 Computer Group (LCE) PN412 - 3	P3A		-	-	3.006	-	-	1.448	-	-	0.288	-	-	0.000	-	-	0.000	-	-	0.000
AN/SPN-46 (V)3 Radar Set Group PN413 - 4	P3A		-	-	5.440	-	-	1.837	-	-	2.900	-	-	3.299	-	-	0.000	-	-	3.299
AN/SPN-46 (V)3 Peripheral Display (LCE) PN414 - 5	P3A		-	-	2.425	-	-	0.403	-	-	1.142	-	-	2.127	-	-	0.000	-	-	2.127
AN/SPN-46 Common Console(V)3 LCE PN415 - 6	P3A		-	-	6.278	-	-	1.772	-	-	1.804	-	-	0.793	-	-	0.000	-	-	0.793
<b>Total Gross/Weapon System Cost</b>					<b>43.145</b>			<b>10.724</b>			<b>17.018</b>			<b>15.685</b>			<b>-</b>			<b>15.685</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
ACLS MOD KITS SUMMARY PN408 - 1	P3A		-	-	13.040	-	-	18.345	-	-	19.456	-	-	19.841	-	-	-	-	-	-
AN/SPN-46 (V) 3 EGI PN411 - 2	P3A		-	-	0.679	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.827	-	-	7.093
AN/SPN-46 (V)3 Computer Group (LCE) PN412 - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	4.742
AN/SPN-46 (V)3 Radar Set Group PN413 - 4	P3A		-	-	3.901	-	-	0.792	-	-	0.000	-	-	0.000	-	-	4.198	-	-	22.367
AN/SPN-46 (V)3 Peripheral Display (LCE) PN414 - 5	P3A		-	-	0.277	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1.131	-	-	7.505
AN/SPN-46 Common Console(V)3 LCE PN415 - 6	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	10.647
<b>Total Gross/Weapon System Cost</b>					<b>17.897</b>			<b>19.137</b>			<b>19.456</b>			<b>19.841</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9			<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ACLS MOD KITS SUMMARY PN408 - 1					
<b>Models of Systems Affected:</b> CVN's L-class, selected shore sites			<b>Type Modification:</b> Modernization				<b>Related RDT&amp;E PEs:</b> 0604504N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	23.679	4.817	9.292	8.235	0.000	8.235	13.040	18.345	19.456	19.841	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	23.679	4.817	9.292	8.235	0.000	8.235	13.040	18.345	19.456	19.841	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	23.679	4.817	9.292	8.235	0.000	8.235	13.040	18.345	19.456	19.841	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The equipment and installation costs on this P-3a are for individual modification programs for AN/SPN-35/41/46 systems. Line item "Engineering Changes to Correct Deficiencies" captures anticipated emergent engineering changes. PMA-213 configuration control board approves inventory objectives. Contract and Delivery dates are various.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ACLS MOD KITS SUMMARY PN408 - 1
<b>Models of Systems Affected:</b> CVN's L-class, selected shore sites	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b> 0604504N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ACLS MOD KITS SUMMARY PN408												
B Kits												
NonRecurring												
1.1) AN/SPN-46 TS-3098 - NonOrganic	16	1.670	-	-	-	-	-	-	-	-	-	-
1.2) AN/SPN-41 XMTR MOD - NonOrganic	52	0.543	-	-	-	-	-	-	-	-	-	-
1.3) AN/SPN-46 COTS Refresh - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.4) AN/SPN-46 Obsolescence - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.5) AN/SPN-46 RAM Pole - NonOrganic	-	-	-	-	3	0.108	3	0.108	-	-	3	0.108
1.6) AN/SPN-46 Unit 13 MCG - NonOrganic	-	-	-	-	1	0.026	-	-	-	-	-	-
1.7) AN/SPN-41 Antenna MOD (LCE) - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.8) AN/SPN-41 Transmitter Replacement (LCE) - NonOrganic	-	-	1	0.383	7	1.680	4	0.960	-	-	4	0.960
1.9) AN/SPN-41 Coder Monitor (LCE) - NonOrganic	1	0.126	3	0.377	3	0.516	4	0.688	-	-	4	0.688
1.10) AN/SPN-41 Electronic Drawer Assembly - NonOrganic	-	-	5	1.297	3	0.762	4	1.016	-	-	4	1.016
1.11) AN/SPN-41 Radome Hardware Upgrade (LCE) - NonOrganic	-	-	-	-	4	0.800	3	0.600	-	-	3	0.600
1.12) AN/SPN-41 TILS System Integration (LCE) - NonOrganic	-	-	1	0.662	-	-	-	-	-	-	-	-
1.13) AN/SPN-35 Shock Mod - NonOrganic	11	1.597	-	-	-	-	-	-	-	-	-	-
1.14) AN/SPN-35 Antenna Stabilization - NonOrganic	15	0.711	-	-	-	-	-	-	-	-	-	-
1.15) AN/SPN-35 UPS Mod - NonOrganic	9	0.391	-	-	1	0.033	-	-	-	-	-	-
1.16) AN/SPN-35 Fiber Optic Mod - NonOrganic	7	0.081	-	-	-	-	-	-	-	-	-	-
1.17) AN/SPN-35 ACD Mod - NonOrganic	5	0.003	-	-	-	-	-	-	-	-	-	-
1.18) AN/SPN-35 XMTR Assembly - NonOrganic	4	0.819	-	-	-	-	-	-	-	-	-	-
1.19) AN/SPN-35 Transmitter Mod - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.20) AN/SPN-46 Radar Control Group Backfit (LCE) - NonOrganic	1	0.205	-	-	-	-	-	-	-	-	-	-
Subtotal NonRecurring		6.146		2.719		3.925		3.372		0.000		3.372
Total, ACLS MOD KITS SUMMARY PN408	121	6.146	10	2.719	22	3.925	18	3.372	-	-	18	3.372
Total, All Modifications		6.146		2.719		3.925		3.372		0.000		3.372
<b>Support</b>												



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ACLS MOD KITS SUMMARY PN408 - 1
<b>Models of Systems Affected:</b> CVN's L-class, selected shore sites	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b> 0604504N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1) Engineering Changes to Correct Deficiencies ECO	-	3.290	-	0.561	-	0.900	-	0.726	-	-	-	0.726
1.2) Integrated Logistics Support	-	1.942	-	0.594	-	0.400	-	0.408	-	-	-	0.408
1.3) Production Engineering	-	9.252	-	0.523	-	1.892	-	1.815	-	-	-	1.815
1.4) Quality Assurance	-	0.285	-	0.100	-	0.080	-	0.075	-	-	-	0.075
1.5) Acceptance, Test and Evaluation	-	0.150	-	-	-	-	-	-	-	-	-	-
1.6) Initial Training	-	0.000	-	-	-	-	-	-	-	-	-	-
<b>Total Support Cost</b>		<b>14.919</b>		<b>1.778</b>		<b>3.272</b>		<b>3.024</b>		<b>0.000</b>		<b>3.024</b>
<b>Procurement Cost (Procurement + Support)</b>		<b>21.065</b>		<b>4.497</b>		<b>7.197</b>		<b>6.396</b>		<b>0.000</b>		<b>6.396</b>
<b>Total Installation Cost</b>		<b>2.614</b>		<b>0.320</b>		<b>2.095</b>		<b>1.839</b>		<b>0.000</b>		<b>1.839</b>
<b>Total Cost (Procurement + Support + Installation)</b>		<b>23.679</b>		<b>4.817</b>		<b>9.292</b>		<b>8.235</b>		<b>0.000</b>		<b>8.235</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
ACLS MOD KITS SUMMARY PN408												
B Kits												
NonRecurring												
1.1) AN/SPN-46 TS-3098 - NonOrganic	-	-	-	-	-	-	-	-	-	-	16	1.670
1.2) AN/SPN-41 XMTR MOD - NonOrganic	-	-	-	-	-	-	-	-	-	-	52	0.543
1.3) AN/SPN-46 COTS Refresh - NonOrganic	-	-	-	-	-	-	14	3.099	-	-	14	3.099
1.4) AN/SPN-46 Obsolescence - NonOrganic	-	-	-	-	-	-	10	3.429	-	-	10	3.429
1.5) AN/SPN-46 RAM Pole - NonOrganic	-	-	-	-	-	-	-	-	-	-	6	0.216
1.6) AN/SPN-46 Unit 13 MCG - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	0.026
1.7) AN/SPN-41 Antenna MOD (LCE) - NonOrganic	4	2.000	4	2.000	4	2.000	12	6.000	-	-	24	12.000
1.8) AN/SPN-41 Transmitter Replacement (LCE) - NonOrganic	4	0.960	5	1.200	1	0.240	-	-	-	-	22	5.423
1.9) AN/SPN-41 Coder Monitor (LCE) - NonOrganic	4	0.688	5	0.860	1	0.172	-	-	-	-	21	3.427
1.10) AN/SPN-41 Electronic Drawer Assembly - NonOrganic	4	1.016	5	1.270	1	0.254	-	-	-	-	22	5.615
1.11) AN/SPN-41 Radome Hardware Upgrade (LCE) - NonOrganic	4	0.800	4	0.800	5	1.000	1	0.200	-	-	21	4.200

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ACLS MOD KITS SUMMARY PN408 - 1
<b>Models of Systems Affected:</b> CVN's L-class, selected shore sites	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b> 0604504N

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.12) AN/SPN-41 TILS System Integration (LCE) - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	0.662
1.13) AN/SPN-35 Shock Mod - NonOrganic	-	-	-	-	-	-	-	-	-	-	11	1.597
1.14) AN/SPN-35 Antenna Stabilization - NonOrganic	-	-	-	-	-	-	-	-	-	-	15	0.711
1.15) AN/SPN-35 UPS Mod - NonOrganic	-	-	-	-	-	-	-	-	-	-	10	0.424
1.16) AN/SPN-35 Fiber Optic Mod - NonOrganic	-	-	-	-	-	-	-	-	-	-	7	0.081
1.17) AN/SPN-35 ACD Mod - NonOrganic	-	-	-	-	-	-	-	-	-	-	5	0.003
1.18) AN/SPN-35 XMTR Assembly - NonOrganic	-	-	-	-	-	-	-	-	-	-	4	0.819
1.19) AN/SPN-35 Transmitter Mod - NonOrganic	1	1.465	4	5.027	7	8.071	-	-	-	-	12	14.563
1.20) AN/SPN-46 Radar Control Group Backfit (LCE) - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	0.205
<i>Subtotal NonRecurring</i>		6.929		11.157		11.737		12.728		0.000		58.713
<i>Total, ACLS MOD KITS SUMMARY PN408</i>	21	6.929	27	11.157	19	11.737	37	12.728	-	-	275	58.713
<i>Total, All Modifications</i>		6.929		11.157		11.737		12.728		0.000		58.713
<b>Support</b>												
1.1) Engineering Changes to Correct Deficiencies ECO	-	1.560	-	2.106	-	2.633	-	1.915	Continuing	Continuing	Continuing	Continuing
1.2) Integrated Logistics Support	-	0.550	-	0.250	-	0.200	-	1.426	Continuing	Continuing	Continuing	Continuing
1.3) Production Engineering	-	1.692	-	0.720	-	0.334	-	0.459	Continuing	Continuing	Continuing	Continuing
1.4) Quality Assurance	-	0.100	-	0.100	-	0.100	-	0.088	Continuing	Continuing	Continuing	Continuing
1.5) Acceptance, Test and Evaluation	-	-	-	-	-	-	-	-	-	-	-	0.150
1.6) Initial Training	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		3.902		3.176		3.267		3.888		0.000		0.150
<i>Procurement Cost (Procurement + Support)</i>		10.831		14.333		15.004		16.616		0.000		58.863
<i>Total Installation Cost</i>		2.209		4.012		4.452		3.225		5.389		26.155
<b>Total Cost (Procurement + Support + Installation)</b>		13.040		18.345		19.456		19.841		5.389		85.018

**Remarks:**

<b>Manufacturer Information: ACLS MOD KITS SUMMARY PN408</b>	
Manufacturer Name: NAWCAD	Manufacturer Location: Patuxent River, MD
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 0

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ACLS MOD KITS SUMMARY PN408 - 1
<b>Models of Systems Affected:</b> CVN's L-class, selected shore sites	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b> 0604504N

<b>Manufacturer Information: ACLS MOD KITS SUMMARY PN408</b>							
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

<b>Installation: ACLS MOD KITS SUMMARY PN408</b>		<b>Method of Implementation:</b> AIT Alteration Installation Team				<b>Installation Name:</b> ACLS MOD KITS						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	116	2.614	1	0.106	4	0.292	-	-	-	-	-	-
FY 2011	-	-	2	0.214	8	1.464	-	-	-	-	-	-
FY 2012	-	-	-	-	2	0.339	20	1.234	0	0.000	20	1.234
FY 2013	-	-	-	-	-	-	4	0.605	0	0.000	4	0.605
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	116	2.614	3	0.320	14	2.095	24	1.839	0	0.000	24	1.839

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	121	3.012
FY 2011	-	-	-	-	-	-	-	-	-	-	10	1.678
FY 2012	-	-	-	-	-	-	-	-	-	-	22	1.573
FY 2013	14	2.209	-	-	-	-	-	-	-	-	18	2.814
FY 2014	-	-	21	4.012	-	-	-	-	-	-	21	4.012
FY 2015	-	-	-	-	27	4.452	-	-	-	-	27	4.452
FY 2016	-	-	-	-	-	-	19	3.225	-	-	19	3.225
FY 2017	-	-	-	-	-	-	-	-	37	5.389	37	5.389

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): ACLS MOD KITS SUMMARY PN408 - 1
<b>Models of Systems Affected:</b> CVN's L-class, selected shore sites	<b>Type Modification:</b> Modernization	<b>Related RDT&amp;E PEs:</b> 0604504N

<b>Installation:</b> ACLS MOD KITS SUMMARY PN408	<b>Method of Implementation:</b> AIT Alteration Installation Team	<b>Installation Name:</b> ACLS MOD KITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	14	2.209	21	4.012	27	4.452	19	3.225	37	5.389	275	26.155

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	116	-	-	-	3	6	-	5	3	4	4	13	3	3	2	6	3	-	4	13	4	5	2	15	5	2	4	11	2	37	275
Out	116	-	-	-	3	6	-	5	3	4	4	13	3	3	2	6	3	-	4	13	4	5	2	15	5	2	4	11	2	37	275

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V) 3 EGI PN411 - 2				
<b>Models of Systems Affected:</b> CVNs, L-class, selected shore sites			<b>Type Modification:</b> Reliability				<b>Related RDT&amp;E PEs:</b> 0604504N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.317	0.447	1.592	1.231	0.000	1.231	0.679	0.000	0.000	0.000	0.827	7.093
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.317	0.447	1.592	1.231	0.000	1.231	0.679	0.000	0.000	0.000	0.827	7.093
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2.317</b>	<b>0.447</b>	<b>1.592</b>	<b>1.231</b>	<b>0.000</b>	<b>1.231</b>	<b>0.679</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.827</b>	<b>7.093</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. The ASN/139 CAINS units used by the AN/SPN-46 (V) as ships motion sensors (P/O Units 17/18) are nearing the end of their service life and are being replaced in the fleet by the ASN/172 Embedded GPS and Inertial Navigation System (EGI). The CAINS units require periodic updates of latitude and longitude that the AN/SPN-46 obtains from GPS receivers in unit 17/18. The EGI ECP will provide supportable sensors for the AN/SPN-46 (V) until the 2020 time frame and allow for the elimination of the GPS receivers in units 17 and 18. The inventory objective for this item is thirteen, of which twelve are OPN-funded and one SCN-funded. PMA-213 configuration control board approves inventory objectives.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System
<b>Models of Systems Affected:</b> CVNs, L-class, selected shore sites		<b>Modification Nomenclature (Modification Title, Modification Number):</b> AN/SPN-46 (V) 3 EGI PN411 - 2
<b>Type Modification:</b> Reliability		<b>Related RDT&amp;E PEs:</b> 0604504N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/SPN-46 (V) 3 EGI PN411												
B Kits												
Recurring												
2.1.1) AN/SPN-46(V)3 EGI (LCE) PN411 - NonOrganic	3	0.603	-	-	4	0.804	2	0.402	-	-	2	0.402
<i>Subtotal Recurring</i>		0.603		0.000		0.804		0.402		0.000		0.402
<i>Total, AN/SPN-46 (V) 3 EGI PN411</i>	3	0.603	-	-	4	0.804	2	0.402	-	-	2	0.402
<i>Total, All Modifications</i>		0.603		0.000		0.804		0.402		0.000		0.402
<b>Support</b>												
3.1) Integrated Logistics Support	-	0.674	-	0.050	-	0.020	-	0.017	-	-	-	0.017
3.2) Production Engineering	-	0.788	-	0.110	-	0.038	-	0.039	-	-	-	0.039
3.3) Quality Assurance	-	0.030	-	0.025	-	0.012	-	0.011	-	-	-	0.011
3.4) Initial Training	-	-	-	-	-	0.052	-	0.055	-	-	-	0.055
<i>Total Support Cost</i>		1.492		0.185		0.122		0.122		0.000		0.122
<i>Procurement Cost (Procurement + Support)</i>		2.095		0.185		0.926		0.524		0.000		0.524
<i>Total Installation Cost</i>		0.222		0.262		0.666		0.707		0.000		0.707
<b>Total Cost (Procurement + Support + Installation)</b>		2.317		0.447		1.592		1.231		0.000		1.231

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/SPN-46 (V) 3 EGI PN411												
B Kits												
Recurring												
2.1.1) AN/SPN-46(V)3 EGI (LCE) PN411 - NonOrganic	1	0.201	-	-	-	-	-	-	2	0.564	12	2.574
<i>Subtotal Recurring</i>		0.201		0.000		0.000		0.000		0.564		2.574
<i>Total, AN/SPN-46 (V) 3 EGI PN411</i>	1	0.201	-	-	-	-	-	-	2	0.564	12	2.574
<i>Total, All Modifications</i>		0.201		0.000		0.000		0.000		0.564		2.574

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V) 3 EGI PN411 - 2
<b>Models of Systems Affected:</b> CVNs, L-class, selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Support</b>												
3.1) Integrated Logistics Support	-	0.009	-	-	-	-	-	-	-	-	-	0.770
3.2) Production Engineering	-	0.015	-	-	-	-	-	-	-	-	-	0.990
3.3) Quality Assurance	-	0.010	-	-	-	-	-	-	-	-	-	0.088
3.4) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.107
<b>Total Support Cost</b>		0.034		0.000		0.000		0.000		0.000		1.955
<b>Procurement Cost (Procurement + Support)</b>		0.235		0.000		0.000		0.000		0.564		4.529
<b>Total Installation Cost</b>		0.444		0.000		0.000		0.000		0.263		2.564
<b>Total Cost (Procurement + Support + Installation)</b>		0.679		0.000		0.000		0.000		0.827		7.093

**Remarks:**

<b>Manufacturer Information: AN/SPN-46 (V) 3 EGI PN411</b>							
Manufacturer Name: NAWCAD				Manufacturer Location: Patuxent River, MD			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 6			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Dec 2011	Dec 2012				
Delivery Dates		Jun 2012	Jun 2013				

<b>Installation:</b> AN/SPN-46 (V) 3 EGI PN411			<b>Method of Implementation:</b> Alteration Installation Team (AIT)				<b>Installation Name:</b> AN/SPN-46(V)3 EGI (LCE) PN411					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	0.222	2	0.262	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	3	0.666	1	0.354	0	0.000	1	0.354
FY 2013	-	-	-	-	-	-	1	0.353	0	0.000	1	0.353
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System
<b>Models of Systems Affected:</b> CVNs, L-class, selected shore sites		<b>Modification Nomenclature (Modification Title, Modification Number):</b> AN/SPN-46 (V) 3 EGI PN411 - 2
<b>Type Modification:</b> Reliability		<b>Related RDT&amp;E PEs:</b> 0604504N

<b>Installation:</b> AN/SPN-46 (V) 3 EGI PN411	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> AN/SPN-46(V)3 EGI (LCE) PN411
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>0.222</b>	<b>2</b>	<b>0.262</b>	<b>3</b>	<b>0.666</b>	<b>2</b>	<b>0.707</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>0.707</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	3	0.484
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	4	1.020
FY 2013	1	0.222	-	-	-	-	-	-	-	-	2	0.575
FY 2014	1	0.222	-	-	-	-	-	-	-	-	1	0.222
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	2	0.263	2	0.263
<b>Total</b>	<b>2</b>	<b>0.444</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>0.263</b>	<b>12</b>	<b>2.564</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	1	-	2	-	-	-	-	-	3	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	12
Out	1	-	2	-	-	-	-	-	3	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	12



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Computer Group (LCE) PN412 - 3

<b>Models of Systems Affected:</b> CVNs, L-class, selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	3.006	1.448	0.288	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.742
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3.006	1.448	0.288	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.742
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3.006	1.448	0.288	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.742

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. In response to the increasingly difficult-to-maintain and antiquated CMS 2 software language and to preclude any degradation to the functionality of AN/SPN-46(V)3 in the Fleet by 2010, the CMS2 software language will be converted to mature, higher order language (HOL) C. This effort will leverage the new Radar Control Group (RCG) open architecture by re-hosting the HOL C software on a new Versa Module Eurocard (VME) circuit card that will reside in the Unit 19 VME chassis. The obsolete AN/AYK-14 computers, which currently reside in units 17 and 18, will be eliminated, providing additional space for Maintenance Assistance Modules (MAMs) storage. The inventory objective for this item is thirteen, of which ten are OPN-funded, two are RDT&E and one SCN-funded. PMA-213 configuration control board approves inventory objectives.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Computer Group (LCE) PN412 - 3

<b>Models of Systems Affected:</b> CVNs, L-class, selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SPN-46 (V)3 Computer Group (LCE) PN412												
B Kits												
Recurring												
2.1.1) AN/SPN-46 Computer Group - NonOrganic	8	1.702	2	0.567	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		1.702		0.567		0.000		0.000		0.000		0.000
<i>Total, AN/SPN-46 (V)3 Computer Group (LCE) PN412</i>	8	1.702	2	0.567	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		1.702		0.567		0.000		0.000		0.000		0.000
<b>Support</b>												
3.1) Integrated Logistic Support	-	0.330	-	0.020	-	-	-	-	-	-	-	-
3.2) Production Engineering	-	0.346	-	0.060	-	-	-	-	-	-	-	-
3.3) Quality Assurance	-	0.041	-	-	-	-	-	-	-	-	-	-
3.4) Initial Training	-	0.035	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.752		0.080		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		2.454		0.647		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.552		0.801		0.288		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.006</b>		<b>1.448</b>		<b>0.288</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SPN-46 (V)3 Computer Group (LCE) PN412												
B Kits												
Recurring												
2.1.1) AN/SPN-46 Computer Group - NonOrganic	-	-	-	-	-	-	-	-	-	-	10	2.269
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		2.269
<i>Total, AN/SPN-46 (V)3 Computer Group (LCE) PN412</i>	-	-	-	-	-	-	-	-	-	-	10	2.269

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Computer Group (LCE) PN412 - 3

<b>Models of Systems Affected:</b> CVNs, L-class, selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		2.269
<b>Support</b>												
3.1) Integrated Logistic Support	-	-	-	-	-	-	-	-	-	-	-	0.350
3.2) Production Engineering	-	-	-	-	-	-	-	-	-	-	-	0.406
3.3) Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	0.041
3.4) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.035
<b>Total Support Cost</b>		0.000		0.000		0.000		0.000		0.000		0.832
<b>Procurement Cost (Procurement + Support)</b>		0.000		0.000		0.000		0.000		0.000		3.101
<b>Total Installation Cost</b>		0.000		0.000		0.000		0.000		0.000		1.641
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		4.742

**Remarks:**

<b>Manufacturer Information: AN/SPN-46 (V)3 Computer Group (LCE) PN412</b>	
Manufacturer Name: NAWCAD	Manufacturer Location: Patuxent River, MD
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Dec 2010						
Delivery Dates	Jun 2011						

<b>Installation:</b> AN/SPN-46 (V)3 Computer Group (LCE) PN412	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> AN/SPN-46 Computer Group
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	4	0.552	4	0.801	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	2	0.288	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System
<b>Models of Systems Affected:</b> CVNs, L-class, selected shore sites		<b>Type Modification:</b> Reliability
		<b>Related RDT&amp;E PEs:</b> 0604504N

<b>Installation:</b> AN/SPN-46 (V)3 Computer Group (LCE) PN412	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> AN/SPN-46 Computer Group
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	4	0.552	4	0.801	2	0.288	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	8	1.353
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.288
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	10	1.641

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	3	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
Out	4	3	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10			

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Radar Set Group PN413 - 4

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	5.440	1.837	2.900	3.299	0.000	3.299	3.901	0.792	0.000	0.000	4.198	22.367
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	5.440	1.837	2.900	3.299	0.000	3.299	3.901	0.792	0.000	0.000	4.198	22.367
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>5.440</b>	<b>1.837</b>	<b>2.900</b>	<b>3.299</b>	<b>0.000</b>	<b>3.299</b>	<b>3.901</b>	<b>0.792</b>	<b>0.000</b>	<b>0.000</b>	<b>4.198</b>	<b>22.367</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. The current AN/SPN-46 (V) 3 receiver houses both Ka and X-band components that are densely packaged. Maintenance on these units is difficult with a high probability of damaging components because of this dense packaging. Some of the RF components are 1960 technology and are no longer manufactured. The Radar Set Group re-packages the RF components using more modern and smaller components thus making the unit much easier to maintain and support. The inventory objective for this item is thirteen, of which eleven are OPN-funded and two SCN-funded. PMA-213 configuration control board approves inventory objectives.

Installation costs in FY 11 and FY 12 reflect local installations. Significant installation cost increases are incurred when installing system at West Coast/Japan locations.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Radar Set Group PN413 - 4

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SPN-46 (V)3 Radar Set Group PN413												
B Kits												
Recurring												
2.1.1) AN/SPN-46 (V)3 Radar Set Group PN413 - NonOrganic	1	4.125	1	0.350	2	2.400	2	2.425	-	-	2	2.425
<i>Subtotal Recurring</i>		4.125		0.350		2.400		2.425	0.000			2.425
<i>Total, AN/SPN-46 (V)3 Radar Set Group PN413</i>	1	4.125	1	0.350	2	2.400	2	2.425	-	-	2	2.425
<i>Total, All Modifications</i>		4.125		0.350		2.400		2.425	0.000			2.425
<b>Support</b>												
3.1) Integrated Logistic Support	-	0.137	-	0.200	-	0.120	-	0.070	-	-	-	0.070
3.2) Production Engineering	-	1.163	-	1.192	-	0.205	-	-	-	-	-	-
3.3) Quality Assurance	-	0.015	-	0.025	-	0.025	-	0.006	-	-	-	0.006
3.4) Initial Training	-	-	-	-	-	0.050	-	0.020	-	-	-	0.020
<i>Total Support Cost</i>		1.315		1.417		0.400		0.096	0.000			0.096
<i>Procurement Cost (Procurement + Support)</i>		5.440		1.767		2.800		2.521	0.000			2.521
<i>Total Installation Cost</i>		0.000		0.070		0.100		0.778	0.000			0.778
<b>Total Cost (Procurement + Support + Installation)</b>		5.440		1.837		2.900		3.299	0.000			3.299

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SPN-46 (V)3 Radar Set Group PN413												
B Kits												
Recurring												
2.1.1) AN/SPN-46 (V)3 Radar Set Group PN413 - NonOrganic	3	3.600	-	-	-	-	-	-	3	3.988	12	16.888
<i>Subtotal Recurring</i>		3.600		0.000		0.000		0.000		3.988		16.888
<i>Total, AN/SPN-46 (V)3 Radar Set Group PN413</i>	3	3.600	-	-	-	-	-	-	3	3.988	12	16.888

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Radar Set Group PN413 - 4

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Total, All Modifications</i>		3.600		0.000		0.000		0.000		3.988		16.888
<b>Support</b>												
3.1) Integrated Logistic Support	-	-	-	-	-	-	-	-	-	-	-	0.527
3.2) Production Engineering	-	-	-	-	-	-	-	-	-	-	-	2.560
3.3) Quality Assurance	-	0.012	-	-	-	-	-	-	-	-	-	0.083
3.4) Initial Training	-	0.025	-	-	-	-	-	-	-	-	-	0.095
<b>Total Support Cost</b>		0.037		0.000		0.000		0.000		0.000		3.265
<b>Procurement Cost (Procurement + Support)</b>		3.637		0.000		0.000		0.000		3.988		20.153
<b>Total Installation Cost</b>		0.264		0.792		0.000		0.000		0.210		2.214
<b>Total Cost (Procurement + Support + Installation)</b>		3.901		0.792		0.000		0.000		4.198		22.367

**Remarks:**

<b>Manufacturer Information: AN/SPN-46 (V)3 Radar Set Group PN413</b>	
Manufacturer Name: NAWCAD	Manufacturer Location: Patuxent River, MD
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Dec 2010	Dec 2011	Dec 2012				
Delivery Dates	Jun 2011	Jun 2012	Jun 2013				

<b>Installation:</b> AN/SPN-46 (V)3 Radar Set Group PN413	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> AN/SPN-46 (V)3 Radar Set Group PN413
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	1	0.070	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	1	0.100	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	0.528	0	0.000	2	0.528
FY 2013	-	-	-	-	-	-	1	0.250	0	0.000	1	0.250

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System
<b>Models of Systems Affected:</b> CVNs and selected shore sites		<b>Modification Nomenclature (Modification Title, Modification Number):</b> AN/SPN-46 (V)3 Radar Set Group PN413 - 4
<b>Type Modification:</b> Reliability		<b>Related RDT&amp;E PEs:</b> 0604504N

<b>Installation:</b> AN/SPN-46 (V)3 Radar Set Group PN413		<b>Method of Implementation:</b> Alteration Installation Team (AIT)				<b>Installation Name:</b> AN/SPN-46 (V)3 Radar Set Group PN413						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	1	0.070	1	0.100	3	0.778	0	0.000	3	0.778

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	1	0.070
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.100
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.528
FY 2013	1	0.264	-	-	-	-	-	-	-	-	2	0.514
FY 2014	-	-	3	0.792	-	-	-	-	-	-	3	0.792
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	3	0.210	3	0.210
Total	1	0.264	3	0.792	-	-	-	-	3	0.210	12	2.214

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	1	-	-	-	1	-	-	-	2	-	-	1	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	12
Out	-	1	-	-	-	1	-	-	-	2	-	-	1	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	12



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Peripheral Display (LCE) PN414 - 5

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.425	0.403	1.142	2.127	0.000	2.127	0.277	0.000	0.000	0.000	1.131	7.505
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.425	0.403	1.142	2.127	0.000	2.127	0.277	0.000	0.000	0.000	1.131	7.505
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2.425</b>	<b>0.403</b>	<b>1.142</b>	<b>2.127</b>	<b>0.000</b>	<b>2.127</b>	<b>0.277</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.131</b>	<b>7.505</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. The peripheral upgrade ECP replaces the fixed format displays with programmable displays eliminating the Standard Electronic Module (SEM) and providing total flexibility in format and content of displayed data. The inventory objective for this item is thirteen, of which eleven are OPN-funded and two SCN-funded. PMA-213 configuration control board approves inventory objectives.

The cost increase for installs from FY12-FY13 stems from significant differences between East Coast, West Coast and Japan installations.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Peripheral Display (LCE) PN414 - 5

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SPN-46 (V)3 Peripheral Display (LCE) PN414												
B Kits												
Recurring												
2.1.1) AN/SPN-46(V)3 Peripheral Display (LCE) - NonOrganic	1	0.185	-	-	4	0.740	4	0.800	-	-	4	0.800
<i>Subtotal Recurring</i>		0.185		0.000		0.740		0.800		0.000		0.800
<i>Total, AN/SPN-46 (V)3 Peripheral Display (LCE) PN414</i>	1	0.185	-	-	4	0.740	4	0.800	-	-	4	0.800
<i>Total, All Modifications</i>		0.185		0.000		0.740		0.800		0.000		0.800
<b>Support</b>												
3.1) Integrated Logistic Support	-	0.325	-	0.020	-	0.017	-	0.010	-	-	-	0.010
3.2) Production Engineering	-	1.895	-	0.295	-	0.040	-	0.020	-	-	-	0.020
3.3) Quality Assurance	-	0.020	-	0.020	-	0.007	-	0.004	-	-	-	0.004
3.4) Initial Training	-	-	-	-	-	0.050	-	0.045	-	-	-	0.045
<i>Total Support Cost</i>		2.240		0.335		0.114		0.079		0.000		0.079
<i>Procurement Cost (Procurement + Support)</i>		2.425		0.335		0.854		0.879		0.000		0.879
<i>Total Installation Cost</i>		0.000		0.068		0.288		1.248		0.000		1.248
<b>Total Cost (Procurement + Support + Installation)</b>		2.425		0.403		1.142		2.127		0.000		2.127

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SPN-46 (V)3 Peripheral Display (LCE) PN414												
B Kits												
Recurring												
2.1.1) AN/SPN-46(V)3 Peripheral Display (LCE) - NonOrganic	1	0.185	-	-	-	-	-	-	4	0.781	14	2.691
<i>Subtotal Recurring</i>		0.185		0.000		0.000		0.000		0.781		2.691
<i>Total, AN/SPN-46 (V)3 Peripheral Display (LCE) PN414</i>	1	0.185	-	-	-	-	-	-	4	0.781	14	2.691

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 (V)3 Peripheral Display (LCE) PN414 - 5

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Total, All Modifications</i>		0.185		0.000		0.000		0.000		0.781		2.691
<b>Support</b>												
3.1) Integrated Logistic Support	-	-	-	-	-	-	-	-	-	-	-	0.372
3.2) Production Engineering	-	0.024	-	-	-	-	-	-	-	-	-	2.274
3.3) Quality Assurance	-	0.006	-	-	-	-	-	-	-	-	-	0.057
3.4) Initial Training	-	0.030	-	-	-	-	-	-	-	-	-	0.125
<b>Total Support Cost</b>		0.060		0.000		0.000		0.000		0.000		2.828
<b>Procurement Cost (Procurement + Support)</b>		0.245		0.000		0.000		0.000		0.781		5.519
<b>Total Installation Cost</b>		0.032		0.000		0.000		0.000		0.350		1.986
<b>Total Cost (Procurement + Support + Installation)</b>		0.277		0.000		0.000		0.000		1.131		7.505

**Remarks:**

<b>Manufacturer Information: AN/SPN-46 (V)3 Peripheral Display (LCE) PN414</b>	
Manufacturer Name: NAWCAD	Manufacturer Location: Patuxent River, MD
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Dec 2011	Dec 2012				
Delivery Dates		Jun 2012	Jun 2013				

<b>Installation:</b> AN/SPN-46 (V)3 Peripheral Display (LCE) PN414	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> AN/SPN-46(V)3 Peripheral Display (LCE)
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	1	0.068	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	2	0.288	2	0.544	0	0.000	2	0.544
FY 2013	-	-	-	-	-	-	4	0.704	0	0.000	4	0.704

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System
<b>Models of Systems Affected:</b> CVNs and selected shore sites		<b>Modification Nomenclature (Modification Title, Modification Number):</b> AN/SPN-46 (V)3 Peripheral Display (LCE) PN414 - 5
<b>Type Modification:</b> Reliability		<b>Related RDT&amp;E PEs:</b> 0604504N

<b>Installation:</b> AN/SPN-46 (V)3 Peripheral Display (LCE) PN414		<b>Method of Implementation:</b> Alteration Installation Team (AIT)				<b>Installation Name:</b> AN/SPN-46(V)3 Peripheral Display (LCE)						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	1	0.068	2	0.288	6	1.248	0	0.000	6	1.248

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	1	0.068
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	4	0.832
FY 2013	-	-	-	-	-	-	-	-	-	-	4	0.704
FY 2014	1	0.032	-	-	-	-	-	-	-	-	1	0.032
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	4	0.350	4	0.350
<b>Total</b>	1	0.032	-	-	-	-	-	-	4	0.350	14	1.986

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	-	-	-	1	-	-	-	1	1	2	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4	14	
Out	-	-	-	1	-	-	-	1	1	2	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4	14	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> AN/SPN-46 Common Console(V)3 LCE PN415 - 6

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	6.278	1.772	1.804	0.793	0.000	0.793	0.000	0.000	0.000	0.000	0.000	10.647
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	6.278	1.772	1.804	0.793	0.000	0.793	0.000	0.000	0.000	0.000	0.000	10.647
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>6.278</b>	<b>1.772</b>	<b>1.804</b>	<b>0.793</b>	<b>0.000</b>	<b>0.793</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>10.647</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. The console replacements for one maintenance and two operator AN/SPN-46(V)3 consoles will have the same functionality and capability as the existing fielded consoles. Current consoles are the number two top readiness system degraders and consistently appear in the top 10 Commander Naval Air Pacific (CNAP) Casualty Report (CASREP) List. The replacement consoles, a variant of the OD-22/TPX-42(V) Field Change 3 (FC3) console, readily support HOL C and CMS 2 languages. This ensures that replacement consoles are available for ships that require the console upgrade, before the CMS 2 to C Software upgrade is available for installation. AIR 4.5.8 and AIR 4.5.9 formed a Working Integrated Product Team (WIPT) to ensure open communication and a smooth flow of information during Console Replacement ECP execution. The inventory objective for this item is eleven, of which ten are OPN-funded and one SCN-funded. PMA-213 configuration control board approves inventory objectives.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 Common Console(V)3 LCE PN415 - 6

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SPN-46 Common Console(V)3 LCE PN415												
B Kits												
Recurring												
2.1.1) AN/SPN-46(V)3 Common Console (LCE) PN415 - NonOrganic	7	3.955	1	0.651	2	1.058	1	0.610	-	-	1	0.610
<i>Subtotal Recurring</i>		3.955		0.651		1.058		0.610		0.000		0.610
<i>Total, AN/SPN-46 Common Console(V)3 LCE PN415</i>	7	3.955	1	0.651	2	1.058	1	0.610	-	-	1	0.610
<i>Total, All Modifications</i>		3.955		0.651		1.058		0.610		0.000		0.610
<b>Support</b>												
3.1) Integrated Logistic Support	-	0.363	-	0.050	-	0.008	-	-	-	-	-	-
3.2) Production Engineering	-	0.760	-	0.066	-	0.012	-	-	-	-	-	-
3.3) Quality Assurance	-	0.065	-	-	-	0.006	-	-	-	-	-	-
3.4) Initial Training	-	0.055	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		1.243		0.116		0.026		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		5.198		0.767		1.084		0.610		0.000		0.610
<i>Total Installation Cost</i>		1.080		1.005		0.720		0.183		0.000		0.183
<b>Total Cost (Procurement + Support + Installation)</b>		6.278		1.772		1.804		0.793		0.000		0.793

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
AN/SPN-46 Common Console(V)3 LCE PN415												
B Kits												
Recurring												
2.1.1) AN/SPN-46(V)3 Common Console (LCE) PN415 - NonOrganic	-	-	-	-	-	-	-	-	-	-	11	6.274

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 Common Console(V)3 LCE PN415 - 6

<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		6.274
<i>Total, AN/SPN-46 Common Console(V)3 LCE PN415</i>	-	-	-	-	-	-	-	-	-	-	11	6.274
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		6.274
<b>Support</b>												
3.1) Integrated Logistic Support	-	-	-	-	-	-	-	-	-	-	-	0.421
3.2) Production Engineering	-	-	-	-	-	-	-	-	-	-	-	0.838
3.3) Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	0.071
3.4) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.055
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		1.385
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		7.659
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		2.988
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		10.647

**Remarks:**

**Manufacturer Information: AN/SPN-46 Common Console(V)3 LCE PN415**

Manufacturer Name: NAWCAD				Manufacturer Location: Patuxent River, MD			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 6			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Dec 2010	Dec 2011					
Delivery Dates	Jun 2011	Jun 2012					

**Installation: AN/SPN-46 Common Console(V)3 LCE PN415**

**Method of Implementation:** Alteration Installation Team (AIT)      **Installation Name:** AN/SPN-46(V)3 Common Console (LCE) PN415

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	3	1.080	3	1.005	1	0.360	-	-	-	-	-	-
FY 2011	-	-	-	-	1	0.360	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/SPN-46 Common Console(V)3 LCE PN415 - 6
<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N

<b>Installation:</b> AN/SPN-46 Common Console(V)3 LCE PN415	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> AN/SPN-46(V)3 Common Console (LCE) PN415
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2012	-	-	-	-	-	-	2	0.123	0	0.000	2	0.123
FY 2013	-	-	-	-	-	-	1	0.060	0	0.000	1	0.060
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3</b>	<b>1.080</b>	<b>3</b>	<b>1.005</b>	<b>2</b>	<b>0.720</b>	<b>3</b>	<b>0.183</b>	<b>0</b>	<b>0.000</b>	<b>3</b>	<b>0.183</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	7	2.445
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.360
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.123
FY 2013	-	-	-	-	-	-	-	-	-	-	1	0.060
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11</b>	<b>2.988</b>



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2832 - Automatic Carrier Landing System	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> AN/SPN-46 Common Console(V)3 LCE PN415 - 6
<b>Models of Systems Affected:</b> CVNs and selected shore sites	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604504N

<b>Installation:</b> AN/SPN-46 Common Console(V)3 LCE PN415	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> AN/SPN-46(V)3 Common Console (LCE) PN415
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<b>Installation Schedule</b>																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	3	1	2	-	-	1	1	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Out	3	1	2	-	-	1	1	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 9 : Aviation Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	256.610	17.436	24.581	16.919	-	16.919	19.405	28.392	28.550	29.176	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	256.610	17.436	24.581	16.919	-	16.919	19.405	28.392	28.550	29.176	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	256.610	17.436	24.581	16.919	-	16.919	19.405	28.392	28.550	29.176	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	3.056	2.474	1.303	-	1.303	1.539	3.436	3.410	3.880	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

DESCRIPTION: The Joint Department of Defense (DOD)/Federal Aviation Administration (FAA) National Airspace System (NAS) Modernization (MOD) program upgrades the DOD Air Traffic Control (ATC) systems at Approach Control Facilities in concert with the FAA's upgrade of the National ATC System. Since existing DOD ATC facilities interface with the FAA's facilities, the military must maintain interoperability and retain vital special-use airspace for combat readiness training. These funds will procure ATC systems for the Navy/Marine ATC facilities.

The Air Force is the DOD lead activity for the Joint Acquisition Program. The Joint Program Office (JPO) is located at Hanscom AFB, MA.

The NAS Mod program received a full rate production decision on 7 June 2005 and is in the production and deployment phase following Milestone C.

The FAA began the Next Generation Air Transportation System (NGATS) initiative in FY2008. A major component of this capability is Automatic Dependent Surveillance Broadcast (ADS-B), which will provide aircraft position information in place of ground-based radar. The DoD Advanced Automation System (DAAS) must be upgraded to meet this requirement.

FY 2011 provides funding to procure: 3 DAAS; 1 Digital Airport Surveillance Radar (DASR); and 3 Tower Automation Systems (TAS).

FY 2012 provides funding to procure 2 DAAS; 3 DASR; and 2 TAS

FY 2013 provides funding to procure 2 DAAS; 1 DASR; and 2 TAS

\*Prior years total includes funding associated with cost elements no longer funded by this program.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2840 - National Air Space System

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
CB010 - DoD Advanced Automation System - 1	P3A		-	-	101.938	-	-	6.304	-	-	5.146	-	-	4.466	-	-	0.000	-	-	4.466
CB-030 Digital Airport Surveillance Radar - 2	P3A		-	-	111.598	-	-	9.056	-	-	17.438	-	-	9.548	-	-	0.000	-	-	9.548
CB040 Tower Automation System - 3	P3A		-	-	43.074	-	-	2.076	-	-	1.997	-	-	2.905	-	-	0.000	-	-	2.905
CB050 ADS-B - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Gross/Weapon System Cost</b>					<b>256.610</b>			<b>17.436</b>			<b>24.581</b>			<b>16.919</b>			<b>-</b>			<b>16.919</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
CB010 - DoD Advanced Automation System - 1	P3A		-	-	5.788	-	-	3.233	-	-	2.511	-	-	1.564	-	-	-	-	-	-
CB-030 Digital Airport Surveillance Radar - 2	P3A		-	-	9.275	-	-	22.906	-	-	23.665	-	-	25.914	-	-	-	-	-	-
CB040 Tower Automation System - 3	P3A		-	-	4.342	-	-	1.311	-	-	0.700	-	-	0.000	-	-	0.000	-	-	56.405
CB050 ADS-B - 4	P3A		-	-	0.000	-	-	0.942	-	-	1.674	-	-	1.698	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>					<b>19.405</b>			<b>28.392</b>			<b>28.550</b>			<b>29.176</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB010 - DoD Advanced Automation System - 1

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	101.938	6.304	5.146	4.466	0.000	4.466	5.788	3.233	2.511	1.564	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	101.938	6.304	5.146	4.466	0.000	4.466	5.788	3.233	2.511	1.564	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>101.938</b>	<b>6.304</b>	<b>5.146</b>	<b>4.466</b>	<b>0.000</b>	<b>4.466</b>	<b>5.788</b>	<b>3.233</b>	<b>2.511</b>	<b>1.564</b>	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The DAAS is being developed as part of a joint DOD/FAA program to modernize and standardize ATC equipment in the National Airspace System. The systems will be installed in Navy ATC facilities to replace aging, obsolete equipment and comply with joint DOD/FAA modernization program agreements. DAAS provides for processors and displays for tower and approach controls. PCO FAA, Washington DC. Contractor: Raytheon, MA. Inventory objective of 47. Contractor: Raytheon Corporation; Location: Marlborough, MA; Min rate: 1; Max rate: 12.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB010 - DoD Advanced Automation System - 1

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
CB010 - DoD Advanced Automation System												
B Kits												
Recurring												
2.1.1) End Item - NonOrganic <sup>(1)</sup>	35	40.110	3	2.013	2	1.193	2	0.901	-	-	2	0.901
2.1.2) ECP/OCIR - Organic	-	3.683	-	-	-	-	-	0.262	-	-	-	0.262
<i>Subtotal Recurring</i>		43.793		2.013		1.193		1.163		0.000		1.163
NonRecurring												
2.2.1) Training Equipment - Organic	3	1.726	-	-	-	-	-	-	-	-	-	-
<i>Subtotal NonRecurring</i>		1.726		0.000		0.000		0.000		0.000		0.000
<i>Total, CB010 - DoD Advanced Automation System</i>	38	45.519	3	2.013	2	1.193	2	1.163	-	-	2	1.163
<i>Total, All Modifications</i>		45.519		2.013		1.193		1.163		0.000		1.163
<b>Support</b>												
3.1) Integrated Logistics Support	-	2.691	-	0.101	-	0.110	-	0.110	-	-	-	0.110
3.2) Production Engineering	-	16.354	-	1.047	-	1.086	-	1.029	-	-	-	1.029
3.3) Initial Training	-	0.255	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		19.300		1.148		1.196		1.139		0.000		1.139
<i>Procurement Cost (Procurement + Support)</i>		64.819		3.161		2.389		2.302		0.000		2.302
<i>Total Installation Cost</i>		37.119		3.143		2.757		2.164		0.000		2.164
<b>Total Cost (Procurement + Support + Installation)</b>		101.938		6.304		5.146		4.466		0.000		4.466

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
CB010 - DoD Advanced Automation System												
B Kits												
Recurring												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB010 - DoD Advanced Automation System - 1

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.1.1) End Item - NonOrganic <sup>(1)</sup>	3	1.896	1	0.451	1	0.455	-	-	-	-	47	47.019
2.1.2) ECP/OCIR - Organic	-	0.368	-	-	-	-	-	-	Continuing	Continuing	Continuing	Continuing
<i>Subtotal Recurring</i>		2.264		0.451		0.455		0.000		0.000		47.019
NonRecurring												
2.2.1) Training Equipment - Organic	-	-	-	-	-	-	-	-	-	-	3	1.726
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.000		0.000		1.726
<i>Total, CB010 - DoD Advanced Automation System</i>	3	2.264	1	0.451	1	0.455	-	-	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		2.264		0.451		0.455		0.000		0.000		0.000
<b>Support</b>												
3.1) Integrated Logistics Support	-	0.025	-	0.025	-	0.025	-	0.027	Continuing	Continuing	Continuing	Continuing
3.2) Production Engineering	-	1.028	-	0.273	-	0.273	-	0.300	Continuing	Continuing	Continuing	Continuing
3.3) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.255
<i>Total Support Cost</i>		1.053		0.298		0.298		0.327		0.000		0.255
<i>Procurement Cost (Procurement + Support)</i>		3.317		0.749		0.753		0.327		0.000		0.255
<i>Total Installation Cost</i>		2.471		2.484		1.758		1.237		0.000		53.133
<b>Total Cost (Procurement + Support + Installation)</b>		<b>5.788</b>		<b>3.233</b>		<b>2.511</b>		<b>1.564</b>		<b>0.000</b>		<b>53.388</b>

**Remarks:**

<sup>(1)</sup>DAAS - AP costs for Installation occur 1 year prior to actual install and show as quantity zero.

**Manufacturer Information: CB010 - DoD Advanced Automation System**

Manufacturer Name: Raytheon	Manufacturer Location: Marlborough, MA
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Mar 2011	Mar 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	
Delivery Dates	Mar 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB010 - DoD Advanced Automation System - 1

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Installation:</b> CB010 - DoD Advanced Automation System	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> End Item
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	33	37.119	2	1.429	-	-	-	-	-	-	-	-
FY 2011	-	-	0	1.714	3	2.026	-	-	-	-	-	-
FY 2012	-	-	-	-	0	0.731	2	1.537	0	0.000	2	1.537
FY 2013	-	-	-	-	-	-	0	0.627	0	0.000	0	0.627
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>33</b>	<b>37.119</b>	<b>2</b>	<b>3.143</b>	<b>3</b>	<b>2.757</b>	<b>2</b>	<b>2.164</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>2.164</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	35	38.548
FY 2011	-	-	-	-	-	-	-	-	-	-	3	3.740
FY 2012	-	-	-	-	-	-	-	-	-	-	2	2.268
FY 2013	2	1.803	-	-	-	-	-	-	-	-	2	2.430
FY 2014	0	0.668	3	1.916	-	-	-	-	-	-	3	2.584
FY 2015	-	-	0	0.568	1	1.098	-	-	-	-	1	1.666
FY 2016	-	-	-	-	0	0.660	1	1.237	-	-	1	1.897
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2</b>	<b>2.471</b>	<b>3</b>	<b>2.484</b>	<b>1</b>	<b>1.758</b>	<b>1</b>	<b>1.237</b>	<b>-</b>	<b>-</b>	<b>47</b>	<b>53.133</b>



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB010 - DoD Advanced Automation System - 1

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Installation:</b> CB010 - DoD Advanced Automation System	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> End Item
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**Installation Schedule**

	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot					
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4							
In	33	-	1	1	-	-	1	1	1	-	1	1	-	-	1	1	-	-	1	2	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	47
Out	33	-	1	1	-	-	1	1	1	-	-	1	1	-	-	1	1	-	-	2	1	-	1	-	-	-	1	-	-	-	1	-	-	-	-	47

<b>Installation:</b> CB010 - DoD Advanced Automation System	<b>Method of Implementation:</b> Not Installed - Training Equipment	<b>Installation Quantity:</b> 3
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**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB-030 Digital Airport Surveillance Radar - 2

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	111.598	9.056	17.438	9.548	0.000	9.548	9.275	22.906	23.665	25.914	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	111.598	9.056	17.438	9.548	0.000	9.548	9.275	22.906	23.665	25.914	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>111.598</b>	<b>9.056</b>	<b>17.438</b>	<b>9.548</b>	<b>0.000</b>	<b>9.548</b>	<b>9.275</b>	<b>22.906</b>	<b>23.665</b>	<b>25.914</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The DASR was developed as part of a joint DOD/FAA program to modernize and standardize ATC equipment in the National Airspace System. The DASR is being installed in Navy ATC facilities to replace aging, obsolete approach control radars and comply with joint DOD/FAA modernization program agreements. PCO USAF, Hanscom AFB, MA. Inventory objective of 40 DASR. Contractor: Raytheon Corporation; Location: Marlborough, MA; Min rate: 1; Max rate: 36.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB-030 Digital Airport Surveillance Radar - 2

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
CB-030 Digital Airport Surveillance Radar												
B Kits												
Recurring												
2.1.1) End Item - NonOrganic <sup>(2)</sup>	25	77.576	1	4.405	3	13.424	1	6.957	-	-	1	6.957
<i>Subtotal Recurring</i>		77.576		4.405		13.424		6.957		0.000		6.957
<i>Total, CB-030 Digital Airport Surveillance Radar</i>	25	77.576	1	4.405	3	13.424	1	6.957	-	-	1	6.957
<i>Total, All Modifications</i>		77.576		4.405		13.424		6.957		0.000		6.957
<b>Support</b>												
3.1) Integrated Logistics Support	-	2.950	-	0.154	-	0.100	-	0.100	-	-	-	0.100
3.2) Production Engineering	-	11.159	-	0.673	-	0.524	-	0.500	-	-	-	0.500
3.3) New Cost Element.	-	0.000	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		14.109		0.827		0.624		0.600		0.000		0.600
<i>Procurement Cost (Procurement + Support)</i>		91.685		5.232		14.048		7.557		0.000		7.557
<i>Total Installation Cost</i>		19.913		3.824		3.390		1.991		0.000		1.991
<b>Total Cost (Procurement + Support + Installation)</b>		111.598		9.056		17.438		9.548		0.000		9.548

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
CB-030 Digital Airport Surveillance Radar												
B Kits												
Recurring												
2.1.1) End Item - NonOrganic <sup>(2)</sup>	1	6.960	3	20.880	3	21.559	3	22.475	-	-	40	174.236
<i>Subtotal Recurring</i>		6.960		20.880		21.559		22.475		0.000		174.236
<i>Total, CB-030 Digital Airport Surveillance Radar</i>	1	6.960	3	20.880	3	21.559	3	22.475	-	-	40	174.236
<i>Total, All Modifications</i>		6.960		20.880		21.559		22.475		0.000		174.236

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB-030 Digital Airport Surveillance Radar - 2

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total			
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)		
<b>Support</b>														
3.1) Integrated Logistics Support	-	0.100	-	0.025	-	0.025	-	0.025	-	0.025	Continuing	Continuing	Continuing	Continuing
3.2) Production Engineering	-	0.470	-	0.297	-	0.310	-	0.310	-	0.310	Continuing	Continuing	Continuing	Continuing
3.3) New Cost Element.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Support Cost</b>		<b>0.570</b>		<b>0.322</b>		<b>0.335</b>		<b>0.335</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>
<b>Procurement Cost (Procurement + Support)</b>		<b>7.530</b>		<b>21.202</b>		<b>21.894</b>		<b>22.810</b>		<b>0.000</b>		<b>0.000</b>		<b>174.236</b>
<b>Total Installation Cost</b>		<b>1.745</b>		<b>1.704</b>		<b>1.771</b>		<b>3.104</b>		<b>6.821</b>		<b>6.821</b>		<b>44.263</b>
<b>Total Cost (Procurement + Support + Installation)</b>		<b>9.275</b>		<b>22.906</b>		<b>23.665</b>		<b>25.914</b>		<b>6.821</b>		<b>6.821</b>		<b>218.499</b>

**Remarks:**  
 (2)(1) DASR - AP costs for Installation occur 1 year prior to actual install and show as quantity zero.  
 (2) NOTE: - Quantity of procurements and quantity of installs do not match because three radar installations were funded and completed by the FAA. FY13 radar was initially to have been installed by FAA. FAA and DON are in negotiations to transfer responsibility back to DON. Accordingly, equipment inventory objective is 40; installation quantity is revised from 36 to 37. Beginning in FY12, the Navy is the only service that will be procuring DASRs, which increases the cost of the system.

**Manufacturer Information: CB-030 Digital Airport Surveillance Radar**

Manufacturer Name: Raytheon				Manufacturer Location: Marlborough, MA			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 24			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Mar 2011	Mar 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017
Delivery Dates	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019

**Installation: CB-030 Digital Airport Surveillance Radar**      **Method of Implementation: AIT**      **Installation Name: End Item**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	19	19.913	3	3.824	3	2.952	-	-	-	-	-	-
FY 2011	-	-	-	-	0	0.438	1	0.767	0	0.000	1	0.767
FY 2012	-	-	-	-	-	-	0	1.224	0	0.000	0	1.224
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB-030 Digital Airport Surveillance Radar - 2

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Installation:</b> CB-030 Digital Airport Surveillance Radar	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> End Item
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	19	19.913	3	3.824	3	3.390	1	1.991	0	0.000	1	1.991

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	25	26.689
FY 2011	-	-	-	-	-	-	-	-	-	-	1	1.205
FY 2012	3	1.315	-	-	-	-	-	-	-	-	3	2.539
FY 2013	0	0.430	1	1.012	-	-	-	-	-	-	1	1.442
FY 2014	-	-	0	0.692	1	1.257	-	-	-	-	1	1.949
FY 2015	-	-	-	-	0	0.514	3	2.504	-	-	3	3.018
FY 2016	-	-	-	-	-	-	0	0.600	3	2.737	3	3.337
FY 2017	-	-	-	-	-	-	-	-	3	4.084	3	4.084
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	3	1.745	1	1.704	1	1.771	3	3.104	6	6.821	40	44.263

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	19	-	2	1	-	-	1	2	-	-	1	-	-	1	2	-	-	1	-	-	-	1	-	-	-	1	2	-	6	40
Out	19	-	-	1	2	-	-	2	1	-	-	1	-	-	1	2	-	1	-	-	-	1	-	-	-	-	1	2	6	40

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> CB040 Tower Automation System - 3				
<b>Models of Systems Affected:</b> NAS			<b>Type Modification:</b> Added Capability					<b>Related RDT&amp;E PEs:</b> 0604504N				

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	43.074	2.076	1.997	2.905	0.000	2.905	4.342	1.311	0.700	0.000	0.000	56.405
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	43.074	2.076	1.997	2.905	0.000	2.905	4.342	1.311	0.700	0.000	0.000	56.405
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>43.074</b>	<b>2.076</b>	<b>1.997</b>	<b>2.905</b>	<b>0.000</b>	<b>2.905</b>	<b>4.342</b>	<b>1.311</b>	<b>0.700</b>	<b>0.000</b>	<b>0.000</b>	<b>56.405</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The TAS was developed as part of a joint DOD/FAA program to modernize and standardize ATC equipment in the National Airspace System. The TAS is being installed in Navy ATC facilities to replace aging, obsolete equipment and comply with joint DOD/FAA modernization program agreements. Contractor Pen-Tech Charleston, SC. Min rate: 1; Max rate: 6. Inventory objective of 58 TAS.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9					<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB040 Tower Automation System - 3			
<b>Models of Systems Affected:</b> NAS				<b>Type Modification:</b> Added Capability				<b>Related RDT&amp;E PEs:</b> 0604504N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
CB040 Tower Automation System													
B Kits													
Recurring													
2.1.1) End Item - NonOrganic <sup>(3)</sup>	46	12.936	3	0.818	2	0.520	2	0.520	-	-	2	0.520	
2.1.2) ECP/OCIR - Organic	-	0.786	-	-	-	-	-	0.948	-	-	-	0.948	
<i>Subtotal Recurring</i>		13.722		0.818		0.520		1.468		0.000		1.468	
<i>Total, CB040 Tower Automation System</i>	46	13.722	3	0.818	2	0.520	2	1.468	-	-	2	1.468	
<i>Total, All Modifications</i>		13.722		0.818		0.520		1.468		0.000		1.468	
<b>Support</b>													
3.1) Integrated Logistics Support	-	2.138	-	0.155	-	0.187	-	0.133	-	-	-	0.133	
3.2) Production Engineering	-	20.026	-	0.652	-	0.825	-	0.800	-	-	-	0.800	
<i>Total Support Cost</i>		22.164		0.807		1.012		0.933		0.000		0.933	
<i>Procurement Cost (Procurement + Support)</i>		35.886		1.625		1.532		2.401		0.000		2.401	
<i>Total Installation Cost</i>		7.188		0.451		0.465		0.504		0.000		0.504	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>43.074</b>		<b>2.076</b>		<b>1.997</b>		<b>2.905</b>		<b>0.000</b>		<b>2.905</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
CB040 Tower Automation System													
B Kits													
Recurring													
2.1.1) End Item - NonOrganic <sup>(3)</sup>	3	0.787	2	0.525	-	-	-	-	-	-	58	16.106	
2.1.2) ECP/OCIR - Organic	-	2.086	-	-	-	-	-	-	-	-	-	3.820	
<i>Subtotal Recurring</i>		2.873		0.525		0.000		0.000		0.000		19.926	
<i>Total, CB040 Tower Automation System</i>	3	2.873	2	0.525	-	-	-	-	-	-	58	19.926	
<i>Total, All Modifications</i>		2.873		0.525		0.000		0.000		0.000		19.926	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB040 Tower Automation System - 3

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Support</b>												
3.1) Integrated Logistics Support	-	0.135	-	0.025	-	-	-	-	-	-	-	2.773
3.2) Production Engineering	-	0.800	-	0.080	-	-	-	-	-	-	-	23.183
<b>Total Support Cost</b>		0.935		0.105		0.000		0.000		0.000		25.956
<b>Procurement Cost (Procurement + Support)</b>		3.808		0.630		0.000		0.000		0.000		45.882
<b>Total Installation Cost</b>		0.534		0.681		0.700		0.000		0.000		10.523
<b>Total Cost (Procurement + Support + Installation)</b>		4.342		1.311		0.700		0.000		0.000		56.405

**Remarks:**  
(3)(1) TAS - AP costs for Installation occur 1 year prior to actual install and show as quantity zero.

**Manufacturer Information: CB040 Tower Automation System**

Manufacturer Name: Pen-Tech				Manufacturer Location: Charleston, SC			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 12			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011	Jan 2012	Jan 2013	Jan 2014	Jan 2015		
Delivery Dates	Jan 2012	Jan 2013	Jan 2014	Jan 2015	Jan 2016		

**Installation: CB040 Tower Automation System**      **Method of Implementation: AIT**      **Installation Name: End Item**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	43	7.188	3	0.423	-	-	-	-	-	-	-	-
FY 2011	-	-	0	0.028	3	0.453	-	-	-	-	-	-
FY 2012	-	-	-	-	0	0.012	2	0.491	0	0.000	2	0.491
FY 2013	-	-	-	-	-	-	0	0.013	0	0.000	0	0.013
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System
<b>Modification Nomenclature</b> (Modification Title, Modification Number): CB040 Tower Automation System - 3		

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> Added Capability	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Installation:</b> CB040 Tower Automation System	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> End Item
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	43	7.188	3	0.451	3	0.465	2	0.504	0	0.000	2	0.504

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	46	7.611
FY 2011	-	-	-	-	-	-	-	-	-	-	3	0.481
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.503
FY 2013	2	0.501	-	-	-	-	-	-	-	-	2	0.514
FY 2014	0	0.033	3	0.652	-	-	-	-	-	-	3	0.685
FY 2015	-	-	0	0.029	2	0.700	-	-	-	-	2	0.729
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	0.534	3	0.681	2	0.700	-	-	-	-	58	10.523

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	43	-	2	1	-	-	1	2	-	-	1	1	-	-	1	1	-	-	1	2	-	-	1	1	-	-	-	-	-	-	58
Out	43	-	-	2	1	-	-	1	2	-	-	1	1	-	-	1	1	-	-	1	2	-	-	1	1	-	-	-	-	-	58

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB050 ADS-B - 4				

<b>Models of Systems Affected:</b> NAS			<b>Type Modification:</b> AIT					<b>Related RDT&amp;E PEs:</b> 0604504N				
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.942	1.674	1.698	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.942	1.674	1.698	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.942</b>	<b>1.674</b>	<b>1.698</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The FAA began the Next Generation Air Transportation System (NGATS) initiative in FY2008. A major component of this capability is Automatic Dependent Surveillance Broadcast (ADS-B), which will provide aircraft position information in place of ground-based radar. The DAAS must be upgraded to meet this requirement.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9					<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB050 ADS-B - 4			
<b>Models of Systems Affected:</b> NAS				<b>Type Modification:</b> AIT				<b>Related RDT&amp;E PEs:</b> 0604504N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
CB050 ADS-B													
B Kits													
Recurring													
2.1.1) CB050-STARS ADS-B Upgrade - NonOrganic													
	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>													
		0.000		0.000		0.000		0.000		0.000		0.000	
<i>Total, CB050 ADS-B</i>													
	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Total, All Modifications</i>													
		0.000		0.000		0.000		0.000		0.000		0.000	
<b>Support</b>													
3.1) Integrated Logistics Support													
	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) Production Engineering													
	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Total Support Cost</i>													
		0.000		0.000		0.000		0.000		0.000		0.000	
<i>Procurement Cost (Procurement + Support)</i>													
		0.000		0.000		0.000		0.000		0.000		0.000	
<i>Total Installation Cost</i>													
		0.000		0.000		0.000		0.000		0.000		0.000	
<b>Total Cost (Procurement + Support + Installation)</b>													
		0.000		0.000		0.000		0.000		0.000		0.000	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
CB050 ADS-B													
B Kits													
Recurring													
2.1.1) CB050-STARS ADS-B Upgrade - NonOrganic													
	-	-	1	0.700	1	0.705	1	0.756	44	57.888	47	60.049	
<i>Subtotal Recurring</i>													
		0.000		0.700		0.705		0.756		57.888		60.049	
<i>Total, CB050 ADS-B</i>													
	-	-	1	0.700	1	0.705	1	0.756	44	57.888	47	60.049	
<i>Total, All Modifications</i>													
		0.000		0.700		0.705		0.756		57.888		60.049	
<b>Support</b>													
3.1) Integrated Logistics Support													
	-	-	-	0.100	-	0.100	-	0.100	Continuing	Continuing	Continuing	Continuing	
3.2) Production Engineering													
	-	-	-	0.142	-	0.142	-	0.142	Continuing	Continuing	Continuing	Continuing	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB050 ADS-B - 4

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> AIT	<b>Related RDT&amp;E PEs:</b> 0604504N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
Total Support Cost		0.000		0.242		0.242		0.242		0.000		0.000
Procurement Cost (Procurement + Support)		0.000		0.942		0.947		0.998		57.888		60.049
Total Installation Cost		0.000		0.000		0.727		0.700		31.500		32.927
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.942</b>		<b>1.674</b>		<b>1.698</b>		<b>89.388</b>		<b>92.976</b>

**Remarks:**

**Manufacturer Information: CB050 ADS-B**

Manufacturer Name: Manufacturer Name Not Provided.      Manufacturer Location: Manufacturer Location Not Provided.

Administrative Leadtime (in Months):      Production Leadtime (in Months):

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

**Installation: CB050 ADS-B      Method of Implementation: AIT      Installation Name: CB050-STARS ADS-B Upgrade**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2840 - National Air Space System
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CB050 ADS-B - 4

<b>Models of Systems Affected:</b> NAS	<b>Type Modification:</b> AIT	<b>Related RDT&amp;E PEs:</b> 0604504N
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<b>Installation:</b> CB050 ADS-B	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> CB050-STARS ADS-B Upgrade
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	1	0.727	-	-	-	-	1	0.727
FY 2016	-	-	-	-	-	-	1	0.700	-	-	1	0.700
FY 2017	-	-	-	-	-	-	-	-	1	0.700	1	0.700
To Complete	-	-	-	-	-	-	-	-	44	30.800	44	30.800
Total	-	-	-	-	1	0.727	1	0.700	45	31.500	47	32.927

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	45	47
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	45	47

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2845 - Fleet Air Traffic Control Systems

Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:						
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total	
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	164.572	6.814	7.213	6.828	-	6.828	7.691	8.262	8.353	8.513	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P1) (\$ in Millions)	164.572	6.814	7.213	6.828	-	6.828	7.691	8.262	8.353	8.513	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	164.572	6.814	7.213	6.828	-	6.828	7.691	8.262	8.353	8.513	Continuing	Continuing	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	0.290	1.032	0.318	-	0.318	0.533	0.308	0.265	0.054	Continuing	Continuing	
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	

**Description:**

DESCRIPTION: The Chief of Naval Operations (CNO) tasked the Naval Air Systems Command (NAVAIR) with the requirement to provide shore based Air Traffic Control (ATC) terminal facilities and equipment that are required in joint efforts to efficiently and safely monitor and direct military and commercial air traffic in national and international air space. Many of these systems are required to interface through automated means with the Federal Aviation Administration (FAA). Additionally, NAVAIR has material support responsibility for Air Navigation Aid Systems, Mobile ATC Equipment, Special Instrumentation Systems, and Ancillary Equipment used at Navy and Marine Corps Aviation Shore activities in the continental United States and overseas.

Communications Systems Upgrade Program (MR408) - This program procures and installs advanced commercial state-of-the-art ATC voice switching and recording/reproduction equipment which will be used to replace aging AN/FSA-52/58 and OJ-314 voice communication switching systems and the RD-379/379A/390 and RP-214 recorder/reproducers. Existing equipment uses 1950's toggle switch and 1960's push-button analog technology which is becoming logistically unsupportable.

Engineering Change Proposal (ECP)/Operational Capability Improvement Request (OCIR) modernization (MR069) - The ECP/OCIR program provides for the procurement, and or modification, of critically needed communications, radar, displays, data processors, and other electronic systems/equipment at Navy/Marine Corps ATC facilities worldwide. ECP/OCIR procurements replace and modernize costly-to-maintain systems and equipment in order to increase ATC efficiency and safety, and reduce total ownership costs. The OCIR program is directed by OPNAVINST 3721.5K.

Fiber Optic Intersite System (FOIS) Upgrade Program (MR430) - This effort will upgrade and replace obsolete and unsupportable components and assemblies being used in the AN/FAC-6(V)1. FOIS is required for Precision Approach Radar (PAR) operations and the AN/FAC-6(V)4 FOIS is required for ATC voice communications at Naval and Marine Corps ATC facilities. This program ensures continued capability of these critical ATC systems.

UHF/VHF Transceiver Replacement Program (MR440) - This program modernizes aging Navy and Marine Corps UHF/VHF Transceivers that are the central core of all ATC emergency communications. The program will procure Non-Developmental Items (NDIs) developed for the FAA as form, fit and function replacements of the aging AN/GRC-171/211 UHF/VHF Transceivers.

Emergency Communication System (ECS) Upgrade Program (MR445) - This program modernizes obsolete and unsupportable ECS equipment. Voice Switches, Recorders, Reproducers, Uninterruptable Power Supplies, and Built-In Test Equipment will be replaced with modern, supportable components.

Recorder Upgrade Program (MR455) - This program procures and installs state-of-the-art ATC recording/reproducing equipment which will be used to replace aging ATC recorder systems through participation in the FAA's Next Generation Recorder Program.

Automatic Dependent Surveillance, Broadcast (ADS-B) (MR450) - This program will provide ADS-B/Mode-S capability to shore ATC facilities to meet the requirements of the FAA Next Generation Air Transportation System (NGATS).

Air Field Lighting Control System (AFLCS) (MR510) - This program modernizes obsolete and unsupportable AFLCS equipment which will be replaced with modern, supportable components.

Fleet Area Control and Surveillance Facilities (FACSFAC) Tech Refresh (MR515) - This program modernizes obsolete and unsupportable Commercial Off The Shelf (COTS) equipment in the AN/FYK-39 FACSFAC Air Control and Tracking System (FACTS).

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 9 : Aviation Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2845 - Fleet Air Traffic Control Systems
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
FY 2011 provides funding to procure: 3 ECP/OCIRs (MR069); 2 COMM Upgrades (MR408); 3 FOIS (MR430); 20 UHF/VHF Transceiver Replacements (MR440); 3 ECS Upgrades (MR445), 9 ATC Recorders/Reproducers (MR455) and associated support costs.  FY 2012 provides funding to procure: 2 ECP/OCIRs (MR069); 2 COMM Upgrades (MR408); 3 FOIS (MR430); 25 UHF/VHF Transceiver Replacements (MR440); 4 ECS Upgrades (MR445), 9 ATC Recorders/Reproducers (MR455) and associated support costs.  FY 2013 provides funding to procure: 2 ECP/OCIRs (MR069); 2 COMM Upgrades (MR408); 3 FOIS (MR430); 20 UHF/VHF Transceiver Replacements (MR440); 3 ECS Upgrades (MR445), 9 ATC Recorders/Reproducers (MR455) and associated support costs.  * Prior year total amount accounts for items funded in the current FYDP.  Totals may not add due to rounding.		

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Fleet Air Traffic Control Systems (See enclosed P-40A)	P40A				164.572			6.814			7.213			6.828			0.000			6.828
<b>Total Gross/Weapon System Cost</b>					<b>164.572</b>			<b>6.814</b>			<b>7.213</b>			<b>6.828</b>			<b>-</b>			<b>6.828</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 9 **P-1 Line Item Nomenclature:** 2845 - Fleet Air Traffic Control Systems **Aggregated Item Name:** Fleet Air Traffic Control Systems

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) Fleet Air Traffic Control Systems</b>																			
1) MR069 ECP/OCIR <sup>(1)</sup>	A	-	-	9.423	101,000.00	3	0.303	100,000.00	2	0.200	100,000.00	2	0.200	-	-	-	100,000.00	2	0.200
2) MR408 COMM System Upgrade	A	-	-	15.404	422,500.00	2	0.845	425,000.00	2	0.850	427,500.00	2	0.855	-	-	-	427,500.00	2	0.855
3) MR430 Fiber Optic Intersite Upgrade	A	-	-	2.804	191,670.00	3	0.575	193,330.00	3	0.580	196,670.00	3	0.590	-	-	-	196,670.00	3	0.590
4) MR440 UHF/VHF Transceiver Replacement	A	-	-	1.423	18,550.00	20	0.371	18,000.00	25	0.450	18,200.00	20	0.364	-	-	-	18,200.00	20	0.364
5) MR445 Emergency Communication System (ECS) Upgrade	A	-	-	3.111	403,670.00	3	1.211	401,000.00	4	1.604	402,000.00	3	1.206	-	-	-	402,000.00	3	1.206
6) MR450 Automatic Dependent Surveillance*	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) MR455 ATC Recorder Upgrade Program	A	-	-	2.123	83,890.00	9	0.755	87,780.00	9	0.790	88,890.00	9	0.800	-	-	-	88,890.00	9	0.800
8) MR510 Air Field Lighting Control System	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9) MR515 FACSAC Air Control & Tracking System **	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10) Other Costs***	A	-	-	130.284	-	-	2.754	-	-	2.739	-	-	2.813	-	-	-	-	-	2.813
<i>Subtotal 1) Fleet Air Traffic Control Systems</i>				164.572			6.814			7.213			6.828			0.000			6.828
<b>Total</b>				<b>164.572</b>			<b>6.814</b>			<b>7.213</b>			<b>6.828</b>			<b>0.000</b>			<b>6.828</b>

**Remarks:**  
 [MR069 ECP/OCIR] Totals may not add due to rounding.  
 Notes:  
 \* ADS-B requirements were deferred to align with FAA program in outyears.  
 \*\*OCIR - Operational Capability Request, FACSAC - Fleet Area Control and Surveillance Facilities.  
 \*\*\* Other costs consist of Integrated Logistics Support, Production Engineering and Non-FMP Installations.  
 (1) Totals may not add due to rounding.  
 Notes:  
 \* ADS-B requirements were deferred to align with FAA program in outyears.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 9

**P-1 Line Item Nomenclature:**  
2845 - Fleet Air Traffic Control Systems

**Aggregated Item Name:**  
Fleet Air Traffic Control Systems

\*\*OCIR - Operational Capability Request, FACSAC - Fleet Area Control and Surveillance Facilities.  
\*\*\* Other costs consist of Integrated Logistics Support, Production Engineering and Non-FMP Installations.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2846 - Landing Systems

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	49.614	8.505	7.138	7.646	-	7.646	7.624	9.083	9.252	9.408	59.914	168.184
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	49.614	8.505	7.138	7.646	-	7.646	7.624	9.083	9.252	9.408	59.914	168.184
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	49.614	8.505	7.138	7.646	-	7.646	7.624	9.083	9.252	9.408	59.914	168.184
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.130	1.187	0.032	-	0.032	0.055	0.018	0.017	0.004	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Chief of Naval Operations (CNO) tasked Naval Air Systems Command (NAVAIR) with the requirement to provide shore based Air Traffic Control (ATC) terminal facilities and equipment that are required to efficiently and safely monitor and direct military and commercial air traffic in national and international air space. Many of these systems are required to interface through automated means with the Federal Aviation Administration (FAA). Additionally, NAVAIR has material support responsibility for Air Navigation Aid Systems, Mobile ATC Equipment, Special Instrumentation Systems, and Ancillary Equipment used for Air Traffic Control and Landing Systems (ATC&LS) by the Navy and Marines Corps. This Landing Systems program, in conjunction with the Fleet Air Traffic Control Systems and the National Airspace System Modernization program provide the three pillars by which the Navy supports and meets established requirements to modernize and ensure reliable, safe and effective operations of ATC&LS used at the Navy and Marine Corps air stations worldwide.

This Landing Systems budget provides funding to modernize and ensure the reliability of Precision Approach Radars (PAR), Tactical Air Navigations (TACAN) systems, and other air navigation aids used by the Navy and Marine Corps.

PAR Upgrade Engineering Change Proposals (ECPs) update old technology and extend the service life of PAR as directed by N885F. The PAR Upgrade ECPs consist of the Modulator Board Upgrade ECP, the Antenna Upgrade ECP, the Configuration Upgrade ECP, the Turntable Upgrade ECP, the Fiber Optic Intersite System (FOIS) ECP, the Angle Voltage Generator (AVG) Upgrade ECP, and the Technology Refresh Upgrade ECP.

TACAN Upgrades ECPs update old technology and extend the service life of the TACAN. The TACAN Sustainment consists of the Antenna Upgrade ECP, the Shelter Upgrade ECP and the Beacon Upgrade ECP.

FY2011 provides funding to procure 9 PAR Turntable Upgrades, 2 PAR Configuration Upgrades, 1 PAR Tech Refresh, 2 TACAN Shelter Upgrades, and 6 TACAN Antenna Upgrades.

FY2012 provides funding to procure 2 TACAN Shelter Upgrades, 6 TACAN Antenna Upgrades and 5 TACAN Beacon Upgrades.

FY2013 provides funding to procure 12 PAR Configuration Upgrades, 1 PAR Tech Refresh, 1 TACAN Antenna Upgrade and 7 TACAN Beacon Upgrades.

Prior years total amount only accounts for items funded in the current FYDP.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2846 - Landing Systems

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Landing Systems (See enclosed P-40A)	P40A			49.614			8.505			7.138			7.646			0.000			7.646	
<b>Total Gross/Weapon System Cost</b>				<b>49.614</b>			<b>8.505</b>			<b>7.138</b>			<b>7.646</b>			<b>-</b>			<b>7.646</b>	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 9 **P-1 Line Item Nomenclature:** 2846 - Landing Systems **Aggregated Item Name:** Landing Systems

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) Landing Systems</b>																			
1.1) X1030 - PAR AVG	A	-	-	3.272	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) X1031 - PAR FOIS UPGRADE	A	-	-	1.054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) X1032 - PAR TURNTABLE UPGRADE	A	-	-	5.338	24,560.00	9	0.221	-	-	-	-	-	-	-	-	-	-	-	-
1.4) X1033 - PAR CONFIGURATION UPGRADE	A	-	-	3.383	67,000.00	2	0.134	-	-	-	20,170.00	12	0.242	-	-	-	20,170.00	12	0.242
1.5) X1036 - PAR TECH REFRESH	A	-	-	-	2,850K	1	2.850	-	-	-	2,369K	1	2.369	-	-	-	2,369K	1	2.369
1.6) X1040 - TACAN SHELTER UPGRADE	A	-	-	3.820	314,500.00	2	0.629	314,500.00	2	0.629	-	-	-	-	-	-	-	-	-
1.7) X1041 - TACAN ANTENNA UPGRADE	A	-	-	2.411	96,670.00	6	0.580	96,670.00	6	0.580	97,000.00	1	0.097	-	-	-	97,000.00	1	0.097
1.8) X1042 - TACAN BEACON UPGRADE	A	-	-	5.558	-	-	-	350,000.00	5	1.750	200,000.00	7	1.400	-	-	-	200,000.00	7	1.400
1.9) OTHER COST <sup>(1)</sup>	A	-	-	24.778	-	-	4.091	-	-	4.179	-	-	3.538	-	-	-	-	-	3.538
<i>Subtotal 1) Landing Systems</i>				49.614			8.505			7.138			7.646			0.000			7.646
<b>Total</b>				<b>49.614</b>			<b>8.505</b>			<b>7.138</b>			<b>7.646</b>			<b>0.000</b>			<b>7.646</b>

**Remarks:**

<sup>(1)</sup>Other Costs include: Integrated Logistics Support (ILS), Production Engineering (PE), Quality Assurance (A) and non-FMP Installation Costs.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
2851 - ID Systems

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0604777N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	216.990	22.998	31.470	35.474	-	35.474	39.119	38.719	35.276	29.072	40.622	489.740
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	216.990	22.998	31.470	35.474	-	35.474	39.119	38.719	35.276	29.072	40.622	489.740
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	216.990	22.998	31.470	35.474	-	35.474	39.119	38.719	35.276	29.072	40.622	489.740
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.052	0.005	0.031	-	0.031	0.031	0.013	0.007	-	0.000	0.139
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Identification Systems program funds procurements, installations, and certifications for the following systems: AN/UPX-37 Digital Interrogator (DI), AN/APX-118 Common Digital Transponder (CXP), AN/UPX-29(V) Interrogator System, Mark XIIA Mode 5 and Identification Friend Foe (IFF) support equipment.

The Air Traffic Control (ATC) Radio Beacon System, IFF, Mark XII System (AIMS) is a DOD directed tri-service program designed to provide a universal air traffic control radar beacon system compatible with the National Airspace System Program. It provides a secure identification system for military use on all combatant ships, selected auxiliaries, patrol craft, and selected Coast Guard ships by allowing all friendly forces to identify each other and neutral forces. The Mark XII system supports several missions such as anti-airwarfare, aerial bombardment, and naval attack.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Mark XII/ Mark XIIA Digital Int (MT031) - 1	P3A		-	-	74.726	-	-	0.680	-	-	0.767	-	-	0.581	-	-	0.000	-	-	0.581
Mark XII/ Mark XIIA Common Digital Transponder (MT032) - 2	P3A		-	-	40.277	-	-	3.388	-	-	3.224	-	-	3.583	-	-	0.000	-	-	3.583
AN/UPX 24 (V) Mode S (MT035) - 3	P3A		-	-	14.451	-	-	2.711	-	-	2.045	-	-	2.904	-	-	0.000	-	-	2.904
AN/UPX-29(V) Interrogator Sys (MT036) - 4	P3A		-	-	16.445	-	-	1.845	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Mark XII Mode 5 (MT037) - 5	P3A		-	-	50.654	-	-	11.704	-	-	19.966	-	-	22.832	-	-	0.000	-	-	22.832

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2851 - ID Systems

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0604777N

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TACAN System Upgrade (MT038) - 6	P3A		-	-	9.789	-	-	0.283	-	-	3.132	-	-	3.240	-	-	0.000	-	-	3.240
Mode S Digital Interrogator (MT040) - 7	P3A		-	-	10.648	-	-	2.387	-	-	2.336	-	-	2.334	-	-	0.000	-	-	2.334
<b>Total Gross/Weapon System Cost</b>					<b>216.990</b>			<b>22.998</b>			<b>31.470</b>			<b>35.474</b>			<b>-</b>			<b>35.474</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Mark XII/ Mark XIIA Digital Int (MT031) - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	76.754
Mark XII/ Mark XIIA Common Digital Transponder (MT032) - 2	P3A		-	-	3.626	-	-	3.245	-	-	3.043	-	-	1.820	-	-	0.000	-	-	62.206
AN/UPX 24 (V) Mode S (MT035) - 3	P3A		-	-	3.266	-	-	3.075	-	-	4.093	-	-	5.338	-	-	6.267	-	-	44.150
AN/UPX-29(V) Interrogator Sys (MT036) - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	18.290
Mark XII Mode 5 (MT037) - 5	P3A		-	-	25.790	-	-	25.808	-	-	20.738	-	-	13.702	-	-	8.524	-	-	199.718
TACAN System Upgrade (MT038) - 6	P3A		-	-	3.285	-	-	3.239	-	-	3.747	-	-	3.856	-	-	19.087	-	-	49.658
Mode S Digital Interrogator (MT040) - 7	P3A		-	-	3.152	-	-	3.352	-	-	3.655	-	-	4.356	-	-	6.744	-	-	38.964
<b>Total Gross/Weapon System Cost</b>					<b>39.119</b>			<b>38.719</b>			<b>35.276</b>			<b>29.072</b>			<b>40.622</b>			<b>489.740</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 The purpose of the DI and CXP program is to replace 20-25 year old hardware and software with reliability and maintenance enhancement through the use of COTS/NDI form/fit/function improvements. These new systems will be enhanced with state-of-the-art technology and open systems architecture, and will be purchased with existing Mark XII Improvements funding. Incorporation of the Mark XIIA (Mode 5) capability occurred in FY08 and changes nomenclatures from AN/UPX-37 and AN/APX-118(V) to AN/UPX-41(C) and AN/APX-123(V), respectively. Growth capability to incorporate Mode 5 and Mode S functionality is incorporated in equipment design.

The AN/UPX-24(V) Field Change 5 provides open systems architecture for increased expansion capability. The AN/UPX-24(V) Mode S provides improved shipboard combat identification and increases the probability of identification of commercial and neutral aircraft.

The AN/UPX-29(V) Interrogator System is deployed on high capability, state of the art surface platforms that require IFF operational performance beyond that provided by a standard Mark XII system for combat identification.

Mark XIIA Mode 5 provides improved secure cooperative combat identification throughout IFF. Mode 5 is a product improvement which is designed to be installed throughout engineering changes to digital Mark XII interrogators and transponders including AN/APX-118/123(V), AN/UPX-37/41(C), and AN/UPX-24(V).



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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 9 : Aviation Electronic Equipment		<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0604777N
<p>Tactical Air Navigation (TACAN) Beacon Upgrade funds a replacement of 1970s technology and eliminates pending parts obsolescence.</p> <p>Installing Agent: Shipyard, Alteration Teams (AIT). When installation to be made: Regular Overhaul/Restricted Availability/Selected Restricted Availability Type of ship to receive equipment: An IFF system is on every ship in the Fleet.</p>		

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Mark XII/ Mark XIIA Digital Int (MT031) - 1

<b>Models of Systems Affected:</b> AN/UPX-37 / AN/UPX-41(C)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	74.726	0.680	0.767	0.581	0.000	0.581	0.000	0.000	0.000	0.000	0.000	76.754
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	74.726	0.680	0.767	0.581	0.000	0.581	0.000	0.000	0.000	0.000	0.000	76.754
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>74.726</b>	<b>0.680</b>	<b>0.767</b>	<b>0.581</b>	<b>0.000</b>	<b>0.581</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>76.754</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The current AN/UPX-27 is late 1960's technology and no longer meets operational availability requirements due to use beyond its intended life. The Navy incorporated the AN/UPX-37 to provide a more reliable system with the same functionality. Improved technology now drives the Navy requirement for the AN/UPX-41(C) that incorporates the Mark XIIA (Mode 5) capability. Mode S will be added as a growth capability. Inventory Objective of 503 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT) and ship/submarine Ship Program Manager (SPM) procurement plans and schedules. Incorporation of the Mark XIIA (Mode 5) capability occurred in FY08 and changed the nomenclature from AN/UPX-37 to AN/UPX-41(C). LRIP AN/UPX-41(C) will be installed and operated in legacy-only modes until successful completion of the Mode 5 OPEVAL (MT037).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Digital Int (MT031) - 1

<b>Models of Systems Affected:</b> AN/UPX-37 / AN/UPX-41(C)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Mark XII/ Mark XIIA Digital Int (MT031)												
B Kits												
NonRecurring												
2.2.1) Equipment - NonOrganic <sup>(1)</sup>	503	48.154	-	-	-	-	-	-	-	-	-	-
<i>Subtotal NonRecurring</i>		48.154		0.000		0.000		0.000		0.000		0.000
<i>Total, Mark XII/ Mark XIIA Digital Int (MT031)</i>	503	48.154	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		48.154		0.000		0.000		0.000		0.000		0.000
<b>Support</b>												
3.1) ILS	-	4.116	-	0.021	-	0.011	-	0.011	-	-	-	0.011
3.2) PE	-	9.112	-	0.440	-	0.453	-	0.390	-	-	-	0.390
3.3) Product Improvement	-	2.059	-	0.021	-	0.012	-	0.012	-	-	-	0.012
3.4) Acceptance, Test & Evaluation	-	3.644	-	0.089	-	0.040	-	0.040	-	-	-	0.040
3.5) Initial Training	-	0.144	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		19.075		0.571		0.516		0.453		0.000		0.453
<i>Procurement Cost (Procurement + Support)</i>		67.229		0.571		0.516		0.453		0.000		0.453
<i>Total Installation Cost</i>		7.497		0.109		0.251		0.128		0.000		0.128
<b>Total Cost (Procurement + Support + Installation)</b>		74.726		0.680		0.767		0.581		0.000		0.581

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Mark XII/ Mark XIIA Digital Int (MT031)												
B Kits												
NonRecurring												
2.2.1) Equipment - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	503	48.154

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Digital Int (MT031) - 1

<b>Models of Systems Affected:</b> AN/UPX-37 / AN/UPX-41(C)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.000		0.000		48.154
<i>Total, Mark XII/ Mark XIIA Digital Int (MT031)</i>	-	-	-	-	-	-	-	-	-	-	503	48.154
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		48.154
<b>Support</b>												
3.1) ILS	-	-	-	-	-	-	-	-	-	-	-	4.159
3.2) PE	-	-	-	-	-	-	-	-	-	-	-	10.395
3.3) Product Improvement	-	-	-	-	-	-	-	-	-	-	-	2.104
3.4) Acceptance, Test & Evaluation	-	-	-	-	-	-	-	-	-	-	-	3.813
3.5) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.144
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		20.615
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		68.769
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		7.985
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>76.754</b>

- Remarks:**
- (1) 1. 9 Additional units were purchased in the prior years to provide to the Mode 5 program contractor as GFE. Units were used in FY04-FY09 for Mode 5 DT/OT and therefore not installed.
  2. 10 Additional units purchased in FY03 were first articles used for testing and will not be returned to inventory.
  3. FY10- 3 Additional units purchased to provide to the Mode S (DI) program contractor as GFE and will not be installed on ships.
  4. Install quantity changed due to ship availability changes and delayed AN/UPX-41 (C) shore site installs.
  5. Due to ship availability 1 LPD-17 Class ship (2 units) delayed from FY11 to FY12 installation.

<b>Manufacturer Information: Mark XII/ Mark XIIA Digital Int (MT031)</b>	
Manufacturer Name: BAE Systems LP	Manufacturer Location: Greenlawn, NY
Administrative Leadtime (in Months): 7	Production Leadtime (in Months): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Digital Int (MT031) - 1
<b>Models of Systems Affected:</b> AN/UPX-37 / AN/UPX-41(C)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N

<b>Installation:</b> Mark XII/ Mark XIIA Digital Int (MT031)		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> Equipment						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	460	7.497	15	0.109	4	0.251	2	0.128	0	0.000	2	0.128
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>460</b>	<b>7.497</b>	<b>15</b>	<b>0.109</b>	<b>4</b>	<b>0.251</b>	<b>2</b>	<b>0.128</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>0.128</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	481	7.985
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>481</b>	<b>7.985</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Digital Int (MT031) - 1
<b>Models of Systems Affected:</b> AN/UPX-37 / AN/UPX-41(C)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N

<b>Installation:</b> Mark XII/ Mark XIIA Digital Int (MT031)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> Equipment
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<b>Installation Schedule</b>																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	460	4	3	2	6	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	481
Out	460	4	3	2	6	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	481

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Common Digital Transponder (MT032) - 2

<b>Models of Systems Affected:</b> AN/APX-118/AN/APX-123(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	40.277	3.388	3.224	3.583	0.000	3.583	3.626	3.245	3.043	1.820	0.000	62.206
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	40.277	3.388	3.224	3.583	0.000	3.583	3.626	3.245	3.043	1.820	0.000	62.206
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>40.277</b>	<b>3.388</b>	<b>3.224</b>	<b>3.583</b>	<b>0.000</b>	<b>3.583</b>	<b>3.626</b>	<b>3.245</b>	<b>3.043</b>	<b>1.820</b>	<b>0.000</b>	<b>62.206</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Current Mark XII transponder systems no longer meet operational reliability and maintainability (R&M) requirements due to use beyond their intended life cycle and suffer high cost of ownership due to parts obsolescence. Current surface ship Mark XII transponders will be replaced to continue incremental digital and R&M upgrades to the Mark XII IFF system. The common digital transponder uses an open architecture that allows for future growth, including Mode 5 (AN/APX-123(V)) and Mode S which was incorporated into the production line beginning with the FY 2005 procurement. Inventory Objective of 386 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT) and ship/submarine Ship Program Manager (SPM) procurement plans and schedules. Incorporation of the Mark XIIA (Mode 5) capability occurred in FY08 and changed the nomenclature from AN/APX-118(V) to AN/APX-123(V). LRIP AN/APX-123(V) will be installed and operated in legacy-only modes until successful completion of the Mode 5 OPEVAL (MT037).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Common Digital Transponder (MT032) - 2

<b>Models of Systems Affected:</b> AN/APX-118/AN/APX-123(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Mark XII/ Mark XIIA Common Digital Transponder (MT032)												
B Kits												
NonRecurring												
2.2.1) Equipment - NonOrganic (2)	296	15.112	8	0.515	15	1.020	16	1.347	-	-	16	1.347
2.2.2) Equipment "A" - Organic	-	0.020	-	-	-	-	-	-	-	-	-	-
<i>Subtotal NonRecurring</i>		15.132		0.515		1.020		1.347		0.000		1.347
<i>Total, Mark XII/ Mark XIIA Common Digital Transponder (MT032)</i>	296	15.132	8	0.515	15	1.020	16	1.347	-	-	16	1.347
<i>Total, All Modifications</i>		15.132		0.515		1.020		1.347		0.000		1.347
<b>Support</b>												
3.1) ILS	-	2.448	-	0.037	-	0.038	-	0.039	-	-	-	0.039
3.2) PE	-	8.573	-	1.317	-	1.059	-	1.051	-	-	-	1.051
3.3) Product Improvement	-	4.443	-	0.131	-	0.058	-	0.060	-	-	-	0.060
3.4) Acceptance, Test & Evaluation	-	2.149	-	0.142	-	0.144	-	0.150	-	-	-	0.150
3.5) Depot	-	0.010	-	-	-	-	-	-	-	-	-	-
3.6) Initial Training	-	0.822	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		18.445		1.627		1.299		1.300		0.000		1.300
<i>Procurement Cost (Procurement + Support)</i>		33.577		2.142		2.319		2.647		0.000		2.647
<i>Total Installation Cost</i>		6.700		1.246		0.905		0.936		0.000		0.936
<b>Total Cost (Procurement + Support + Installation)</b>		40.277		3.388		3.224		3.583		0.000		3.583

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Mark XII/ Mark XIIA Common Digital Transponder (MT032)												
B Kits												



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Common Digital Transponder (MT032) - 2

<b>Models of Systems Affected:</b> AN/APX-118/AN/APX-123(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
NonRecurring												
2.2.1) Equipment - NonOrganic <sup>(2)</sup>	19	1.421	19	1.351	13	0.977	-	-	-	-	386	21.743
2.2.2) Equipment "A" - Organic	-	-	-	-	-	-	-	-	-	-	-	0.020
<i>Subtotal NonRecurring</i>		1.421		1.351		0.977		0.000		0.000		21.763
<i>Total, Mark XII/ Mark XIIA Common Digital Transponder (MT032)</i>	19	1.421	19	1.351	13	0.977	-	-	-	-	386	21.763
<i>Total, All Modifications</i>		1.421		1.351		0.977		0.000		0.000		21.763
<b>Support</b>												
3.1) ILS	-	0.042	-	0.030	-	0.028	-	0.029	-	-	-	2.691
3.2) PE	-	1.028	-	1.057	-	1.199	-	1.215	-	-	-	16.499
3.3) Product Improvement	-	0.064	-	0.045	-	0.043	-	0.045	-	-	-	4.889
3.4) Acceptance, Test & Evaluation	-	0.159	-	0.113	-	0.107	-	0.109	-	-	-	3.073
3.5) Depot	-	-	-	-	-	-	-	-	-	-	-	0.010
3.6) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.822
<i>Total Support Cost</i>		1.293		1.245		1.377		1.398		0.000		27.984
<i>Procurement Cost (Procurement + Support)</i>		2.714		2.596		2.354		1.398		0.000		49.747
<i>Total Installation Cost</i>		0.912		0.649		0.689		0.422		0.000		12.459
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.626</b>		<b>3.245</b>		<b>3.043</b>		<b>1.820</b>		<b>0.000</b>		<b>62.206</b>

**Remarks:**  
<sup>(2)</sup>1. 9 Additional units were purchased in the prior years to provide to the Mode 5 program contractor as GFE. Units were used in FY04-FY09 for Mode 5 DT/OT and therefore not installed.

<b>Manufacturer Information: Mark XII/ Mark XIIA Common Digital Transponder (MT032)</b>							
Manufacturer Name: BAE Systems LP				Manufacturer Location: Greenlawn, NY			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Jan 2011	Mar 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017
Delivery Dates	Jan 2012	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Common Digital Transponder (MT032) - 2
<b>Models of Systems Affected:</b> AN/APX-118/AN/APX-123(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N

<b>Installation:</b> Mark XII/ Mark XIIA Common Digital Transponder (MT032)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> Equipment
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	250	6.700	26	1.246	11	0.665	-	-	-	-	-	-
FY 2011	-	-	-	-	4	0.240	4	0.220	0	0.000	4	0.220
FY 2012	-	-	-	-	-	-	12	0.716	0	0.000	12	0.716
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>250</b>	<b>6.700</b>	<b>26</b>	<b>1.246</b>	<b>15</b>	<b>0.905</b>	<b>16</b>	<b>0.936</b>	<b>0</b>	<b>0.000</b>	<b>16</b>	<b>0.936</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	287	8.611
FY 2011	-	-	-	-	-	-	-	-	-	-	8	0.460
FY 2012	3	0.120	-	-	-	-	-	-	-	-	15	0.836
FY 2013	16	0.792	-	-	-	-	-	-	-	-	16	0.792
FY 2014	-	-	19	0.649	-	-	-	-	-	-	19	0.649
FY 2015	-	-	-	-	19	0.689	-	-	-	-	19	0.689
FY 2016	-	-	-	-	-	-	13	0.422	-	-	13	0.422
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>19</b>	<b>0.912</b>	<b>19</b>	<b>0.649</b>	<b>19</b>	<b>0.689</b>	<b>13</b>	<b>0.422</b>	<b>-</b>	<b>-</b>	<b>377</b>	<b>12.459</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII/ Mark XIIA Common Digital Transponder (MT032) - 2

<b>Models of Systems Affected:</b> AN/APX-118/AN/APX-123(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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<b>Installation:</b> Mark XII/ Mark XIIA Common Digital Transponder (MT032)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> Equipment
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	250	4	1	13	8	5	4	4	2	-	5	5	6	-	9	6	4	-	6	6	7	-	6	6	7	-	4	4	5	-	377
Out	250	4	1	13	8	5	4	4	2	-	5	5	6	-	9	6	4	-	6	6	7	-	6	6	7	-	4	4	5	-	377

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/UPX 24 (V) Mode S (MT035) - 3				
<b>Models of Systems Affected:</b> AN/UPX-24(V)			<b>Type Modification:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0604777N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	14.451	2.711	2.045	2.904	0.000	2.904	3.266	3.075	4.093	5.338	6.267	44.150
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	14.451	2.711	2.045	2.904	0.000	2.904	3.266	3.075	4.093	5.338	6.267	44.150
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>14.451</b>	<b>2.711</b>	<b>2.045</b>	<b>2.904</b>	<b>0.000</b>	<b>2.904</b>	<b>3.266</b>	<b>3.075</b>	<b>4.093</b>	<b>5.338</b>	<b>6.267</b>	<b>44.150</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Incorporation of a Mode S capability in the AN/UPX-24(V) to include an interface with a ship's Combat Systems. Inventory Objective of 122 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT) and ship/submarine Ship Program Manager (SPM) procurement plans and schedules.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/UPX 24 (V) Mode S (MT035) - 3					
<b>Models of Systems Affected:</b> AN/UPX-24(V)			<b>Type Modification:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0604777N						
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
AN/UPX 24 (V) Mode S (MT035)													
B Kits													
NonRecurring													
2.2.1) Equipment - NonOrganic <sup>(3)</sup>													
Subtotal NonRecurring													
Total, AN/UPX 24 (V) Mode S (MT035)													
Total, All Modifications													
<b>Support</b>													
3.1) ILS													
3.2) PE													
3.3) Product Improvement													
3.4) Acceptance, Test & Evaluation													
3.5) Depot													
3.6) Initial Training													
Total Support Cost													
Procurement Cost (Procurement + Support)													
Total Installation Cost													
Total Cost (Procurement + Support + Installation)													
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
AN/UPX 24 (V) Mode S (MT035)													
B Kits													
NonRecurring													
2.2.1) Equipment - NonOrganic <sup>(3)</sup>													
Subtotal NonRecurring													

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/UPX 24 (V) Mode S (MT035) - 3

<b>Models of Systems Affected:</b> AN/UPX-24(V)	<b>Type Modification:</b> Capability Improvement	<b>Related RDT&amp;E PEs:</b> 0604777N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total, AN/UPX 24 (V) Mode S (MT035)	14	1.149	19	1.590	21	1.878	29	2.525	23	1.899	122	10.528
Total, All Modifications		1.149		1.590		1.878		2.525		1.899		10.528
<b>Support</b>												
3.1) ILS	-	0.260	-	0.204	-	0.283	-	0.335	-	0.515	-	3.649
3.2) PE	-	1.262	-	0.754	-	1.155	-	1.451	-	1.884	-	11.565
3.3) Product Improvement	-	-	-	-	-	-	-	-	-	-	-	12.407
3.4) Acceptance, Test & Evaluation	-	0.089	-	0.072	-	0.088	-	0.110	-	0.168	-	1.313
3.5) Depot	-	-	-	-	-	-	-	-	-	-	-	0.046
3.6) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.274
Total Support Cost		1.611		1.030		1.526		1.896		2.567		29.254
Procurement Cost (Procurement + Support)		2.760		2.620		3.404		4.421		4.466		39.782
Total Installation Cost		0.506		0.455		0.689		0.917		1.801		4.368
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.266</b>		<b>3.075</b>		<b>4.093</b>		<b>5.338</b>		<b>6.267</b>		<b>44.150</b>

**Remarks:**

- (3)1. Delayed AN/UPX-24(V) Mode S program to synchronize with the Mode S Digital Interrogator (DI) program.
2. FY11 support is in preparation for FY12 procurements and to address immediate obsolescence issues.
3. Program delayed 1 year due to FAA direction for DoD to develop CoNOPs for Mode S implementation.

**Manufacturer Information: AN/UPX 24 (V) Mode S (MT035)**

Manufacturer Name: BAE Systems LP	Manufacturer Location: Greenlawn, NY
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016
Delivery Dates			Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017

**Installation: AN/UPX 24 (V) Mode S (MT035)      Method of Implementation: AIT      Installation Name: Equipment**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/UPX 24 (V) Mode S (MT035) - 3					
<b>Models of Systems Affected:</b> AN/UPX-24(V)				<b>Type Modification:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0604777N					

<b>Installation:</b> AN/UPX 24 (V) Mode S (MT035)				<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> Equipment					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-	
To Complete	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	-	-	-	-	-	-	-	-	-	-	-	

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	16	0.506	-	-	-	-	-	-	-	-	16	0.506
FY 2014	-	-	14	0.455	-	-	-	-	-	-	14	0.455
FY 2015	-	-	-	-	19	0.689	-	-	-	-	19	0.689
FY 2016	-	-	-	-	-	-	21	0.917	-	-	21	0.917
FY 2017	-	-	-	-	-	-	-	-	29	1.173	29	1.173
To Complete	-	-	-	-	-	-	-	-	23	0.628	23	0.628
Total	16	0.506	14	0.455	19	0.689	21	0.917	52	1.801	122	4.368

<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	3	4	4	3	4	5	5	5	5	5	5	6	52	122
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	3	4	4	3	4	5	5	5	5	5	5	6	52	122

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/UPX-29(V) Interrogator Sys (MT036) - 4

<b>Models of Systems Affected:</b> AN/UPX-29(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	16.445	1.845	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.290
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	16.445	1.845	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.290
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>16.445</b>	<b>1.845</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>18.290</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Interrogator System AN/UPX-29(V) is deployed on high capability, state of the art surface platforms that require Identification Friend or Foe (IFF) operational performance beyond that provided by a standard Mark XII system for combat identification. These requirements include increased speed of identification, increased Probability of Identification (PID), and high confidence true FRIEND evaluation. Major system components include Antenna Group OE-120/UPX or OE-120A/UPX and the Interrogator Set AN/UPX-24(V), which can include up to 22 operator Control Indicators C-10064/UPX-24(V). Inventory Objective of 3 is derived from CNO Letter, Ser 00/68500012.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/UPX-29(V) Interrogator Sys (MT036) - 4

<b>Models of Systems Affected:</b> AN/UPX-29(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/UPX-29(V) Interrogator Sys (MT036)												
B Kits												
NonRecurring												
2.2.1) Equipment - NonOrganic	3	7.706	-	-	-	-	-	-	-	-	-	-
<i>Subtotal NonRecurring</i>		7.706		0.000		0.000		0.000		0.000		0.000
<i>Total, AN/UPX-29(V) Interrogator Sys (MT036)</i>	3	7.706	-	-	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		7.706		0.000		0.000		0.000		0.000		0.000
<b>Support</b>												
3.1) PE	-	3.079	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		3.079		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		10.785		0.000		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		5.660		1.845		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		16.445		1.845		0.000		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/UPX-29(V) Interrogator Sys (MT036)												
B Kits												
NonRecurring												
2.2.1) Equipment - NonOrganic	-	-	-	-	-	-	-	-	-	-	3	7.706
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.000		0.000		7.706
<i>Total, AN/UPX-29(V) Interrogator Sys (MT036)</i>	-	-	-	-	-	-	-	-	-	-	3	7.706
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		7.706
<b>Support</b>												
3.1) PE	-	-	-	-	-	-	-	-	-	-	-	3.079
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		3.079

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/UPX-29(V) Interrogator Sys (MT036) - 4

<b>Models of Systems Affected:</b> AN/UPX-29(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		10.785
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		7.505
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>18.290</b>

**Remarks:**

**Manufacturer Information:** AN/UPX-29(V) Interrogator Sys (MT036)

Manufacturer Name: BAE Systems LP	Manufacturer Location: Nashua, NH
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 27

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

**Installation:** AN/UPX-29(V) Interrogator Sys (MT036)

**Method of Implementation:** AIT

**Installation Name:** Equipment

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	2	5.660	1	1.845	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2</b>	<b>5.660</b>	<b>1</b>	<b>1.845</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/UPX-29(V) Interrogator Sys (MT036) - 4

<b>Models of Systems Affected:</b> AN/UPX-29(V)	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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<b>Installation:</b> AN/UPX-29(V) Interrogator Sys (MT036)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> Equipment
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	3	7.505
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	3	7.505

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems
<b>Models of Systems Affected:</b> AN/APX-118/123(V), AN/UPX-37/41(C), AN/UPX-24(V)		<b>Type Modification:</b> Capability Improvement
		<b>Related RDT&amp;E PEs:</b> 0604777N

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	50.654	11.704	19.966	22.832	0.000	22.832	25.790	25.808	20.738	13.702	8.524	199.718
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	50.654	11.704	19.966	22.832	0.000	22.832	25.790	25.808	20.738	13.702	8.524	199.718
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>50.654</b>	<b>11.704</b>	<b>19.966</b>	<b>22.832</b>	<b>0.000</b>	<b>22.832</b>	<b>25.790</b>	<b>25.808</b>	<b>20.738</b>	<b>13.702</b>	<b>8.524</b>	<b>199.718</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Mark XIIA Mode 5 provides improved secure cooperative combat identification throughout IFF. Mode 5 is a product improvement which is designed to be installed via engineering changes to digital MarkXII interrogators and transponders including, AN/APX-118/123(V), AN/UPX-37/41(C), and AN/UPX-24(V). Procurements will include Cryptography, Long Lead Items, Low-Rate Initial Production (LRIP) Units, Full Rate Production units, Support/Test Equipment, and associated hardware and software changes for Fleet Modernization Plan (FMP) and non-FMP installations. Mode 5 is designed to be installed in all Navy ships which are currently Mode 4 IFF capable. Milestone C and LRIP was approved in July 2006. In March 2007, Joint Requirements Oversight Council Memorandum (JROCM 047-07) endorsed a Mode 5 Joint Initial Operational Capability (IOC) in FY 2014 and Joint Full Operational Capability (FOC) in FY 2020. A Program Deviation Report was submitted in July 2009 reporting a schedule breach to Operational Evaluation (OPEVAL) and IOC due to joint asset participations and on-going resolution of DT deficiencies. The OPEVAL is planned for 4QFY2011 with additional DT events planned in FY10 to address system-of-system OA deficiencies. LRIP AN/APX-123(V) and AN/UPX-41(C) will be installed and operated in legacy-only modes until successful completion of OPEVAL.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII Mode 5 (MT037) - 5
<b>Models of Systems Affected:</b> AN/APX-118/123(V), AN/UPX-37/41(C), AN/UPX-24(V)	<b>Type Modification:</b> Capability Improvement	<b>Related RDT&amp;E PEs:</b> 0604777N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Mark XII Mode 5 (MT037)												
B Kits												
NonRecurring												
2.2.1) Equipment - Organic <sup>(4)</sup>	-	3.775	-	-	-	-	-	-	-	-	-	-
2.2.2) Mode 5 CXP Systems/Kits - NonOrganic	131	2.996	35	1.693	54	3.327	28	1.683	-	-	28	1.683
2.2.3) Mode 5 UPX-24(V) Kits - NonOrganic	40	3.287	5	0.530	14	0.979	18	1.119	-	-	18	1.119
2.2.4) Mode 5 DI Systems/ Kits - NonOrganic	90	5.924	18	1.042	28	2.706	43	4.246	-	-	43	4.246
<i>Subtotal NonRecurring</i>		15.982		3.265		7.012		7.048		0.000		7.048
<i>Total, Mark XII Mode 5 (MT037)</i>	261	15.982	58	3.265	96	7.012	89	7.048	-	-	89	7.048
<i>Total, All Modifications</i>		15.982		3.265		7.012		7.048		0.000		7.048
<b>Support</b>												
3.1) Support Equipment	-	7.019	-	-	-	0.890	-	1.463	-	-	-	1.463
3.2) ILS	-	3.529	-	0.653	-	0.813	-	1.081	-	-	-	1.081
3.3) PE	-	15.704	-	4.173	-	4.226	-	5.143	-	-	-	5.143
3.4) Product Improvement	-	2.078	-	-	-	2.468	-	1.249	-	-	-	1.249
3.5) Acceptance, Test & Evaluation	-	1.349	-	0.500	-	0.614	-	0.616	-	-	-	0.616
3.6) Initial Training	-	0.517	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		30.196		5.326		9.011		9.552		0.000		9.552
<i>Procurement Cost (Procurement + Support)</i>		46.178		8.591		16.023		16.600		0.000		16.600
<i>Total Installation Cost</i>		4.476		3.113		3.943		6.232		0.000		6.232
<b>Total Cost (Procurement + Support + Installation)</b>		<b>50.654</b>		<b>11.704</b>		<b>19.966</b>		<b>22.832</b>		<b>0.000</b>		<b>22.832</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Mark XII Mode 5 (MT037)												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mark XII Mode 5 (MT037) - 5
<b>Models of Systems Affected:</b> AN/APX-118/123(V), AN/UPX-37/41(C), AN/UPX-24(V)	<b>Type Modification:</b> Capability Improvement	<b>Related RDT&amp;E PEs:</b> 0604777N

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
B Kits												
NonRecurring												
2.2.1) Equipment - Organic <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	-	3.775
2.2.2) Mode 5 CXP Systems/Kits - NonOrganic	59	2.037	57	3.169	80	3.801	9	0.603	-	-	453	19.309
2.2.3) Mode 5 UPX-24(V) Kits - NonOrganic	20	1.254	13	0.926	-	-	-	-	-	-	110	8.095
2.2.4) Mode 5 DI Systems/ Kits - NonOrganic	53	5.356	39	4.023	32	3.373	4	0.323	-	-	307	26.993
<i>Subtotal NonRecurring</i>		8.647		8.118		7.174		0.926		0.000		58.172
<i>Total, Mark XII Mode 5 (MT037)</i>	132	8.647	109	8.118	112	7.174	13	0.926	-	-	870	58.172
<i>Total, All Modifications</i>		8.647		8.118		7.174		0.926		0.000		58.172
<b>Support</b>												
3.1) Support Equipment	-	1.583	-	0.810	-	0.166	-	0.712	-	0.224	-	12.867
3.2) ILS	-	0.865	-	0.984	-	0.996	-	1.036	-	0.535	-	10.492
3.3) PE	-	6.312	-	2.568	-	2.286	-	3.960	-	3.283	-	47.655
3.4) Product Improvement	-	2.306	-	4.322	-	2.858	-	0.765	-	0.475	-	16.521
3.5) Acceptance, Test & Evaluation	-	1.083	-	1.159	-	0.581	-	0.937	-	0.138	-	6.977
3.6) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.517
<i>Total Support Cost</i>		12.149		9.843		6.887		7.410		4.655		95.029
<i>Procurement Cost (Procurement + Support)</i>		20.796		17.961		14.061		8.336		4.655		153.201
<i>Total Installation Cost</i>		4.994		7.847		6.677		5.366		3.869		46.517
<b>Total Cost (Procurement + Support + Installation)</b>		25.790		25.808		20.738		13.702		8.524		199.718

**Remarks:**

<sup>(4)</sup>FYDP procurement/install schedule updated per latest known ship availability schedule.

<b>Manufacturer Information: Mark XII Mode 5 (MT037)</b>							
Manufacturer Name: BAE Systems LP				Manufacturer Location: Greenlawn, NY			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010	Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems
<b>Models of Systems Affected:</b> AN/APX-118/123(V), AN/UPX-37/41(C), AN/UPX-24(V)		<b>Modification Nomenclature (Modification Title, Modification Number):</b> Mark XII Mode 5 (MT037) - 5
<b>Type Modification:</b> Capability Improvement		<b>Related RDT&amp;E PEs:</b> 0604777N

<b>Manufacturer Information:</b> Mark XII Mode 5 (MT037)							
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Delivery Dates	Dec 2011	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017

<b>Installation:</b> Mark XII Mode 5 (MT037)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> Installation Group Name
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	97	4.476	73	3.113	50	3.943	11	0.598	0	0.000	11	0.598
FY 2011	-	-	-	-	-	-	29	1.993	0	0.000	29	1.993
FY 2012	-	-	-	-	-	-	56	3.641	0	0.000	56	3.641
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	97	4.476	73	3.113	50	3.943	96	6.232	0	0.000	96	6.232

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	231	12.130
FY 2011	-	-	-	-	-	-	-	-	-	-	29	1.993
FY 2012	41	2.323	-	-	-	-	-	-	-	-	97	5.964
FY 2013	45	2.671	37	2.089	-	-	-	-	-	-	82	4.760
FY 2014	-	-	102	5.758	21	1.446	-	-	-	-	123	7.204
FY 2015	-	-	-	-	76	5.231	23	1.092	-	-	99	6.323
FY 2016	-	-	-	-	-	-	90	4.274	13	1.934	103	6.208
FY 2017	-	-	-	-	-	-	-	-	13	1.935	13	1.935
To Complete	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems
<b>Models of Systems Affected:</b> AN/APX-118/123(V), AN/UPX-37/41(C), AN/UPX-24(V)		<b>Type Modification:</b> Capability Improvement
<b>Related RDT&amp;E PEs:</b> 0604777N		

<b>Installation:</b> Mark XII Mode 5 (MT037)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> Installation Group Name
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total	86	4.994	139	7.847	97	6.677	113	5.366	26	3.869	777	46.517

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	97	19	18	18	18	14	12	12	12	28	25	22	21	24	23	20	19	36	35	34	34	26	25	24	22	29	29	28	27	26	777
Out	97	19	18	18	18	14	12	12	12	28	25	22	21	24	23	20	19	36	35	34	34	26	25	24	22	29	29	28	27	26	777



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> TACAN System Upgrade (MT038) - 6				
<b>Models of Systems Affected:</b> AN/URN-25			<b>Type Modification:</b> Reliability					<b>Related RDT&amp;E PEs:</b> 0604777N				

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	9.789	0.283	3.132	3.240	0.000	3.240	3.285	3.239	3.747	3.856	19.087	49.658
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	9.789	0.283	3.132	3.240	0.000	3.240	3.285	3.239	3.747	3.856	19.087	49.658
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>9.789</b>	<b>0.283</b>	<b>3.132</b>	<b>3.240</b>	<b>0.000</b>	<b>3.240</b>	<b>3.285</b>	<b>3.239</b>	<b>3.747</b>	<b>3.856</b>	<b>19.087</b>	<b>49.658</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Ship Tactical Air Navigation (TACAN) system upgrade. Upgrades will include digital/COTS upgrade to 1970's technology TACAN beacon and reduce parts obsolescence. Inventory Objective of 151 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT), ship/submarine Ship Program Manager (SPM) procurement plans and schedules and JPALS projected FOC.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9					<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TACAN System Upgrade (MT038) - 6			
<b>Models of Systems Affected:</b> AN/URN-25				<b>Type Modification:</b> Reliability				<b>Related RDT&amp;E PEs:</b> 0604777N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
TACAN System Upgrade (MT038)													
B Kits													
NonRecurring													
2.2.1) Equipment - NonOrganic <sup>(5)</sup>													
	10	2.100	-	-	7	2.450	11	2.310	-	-	11	2.310	
<i>Subtotal NonRecurring</i>													
		2.100		0.000		2.450		2.310		0.000		2.310	
<i>Total, TACAN System Upgrade (MT038)</i>													
	10	2.100	-	-	7	2.450	11	2.310	-	-	11	2.310	
<i>Total, All Modifications</i>													
		2.100		0.000		2.450		2.310		0.000		2.310	
<b>Support</b>													
3.1) ILS													
	-	0.405	-	0.074	-	0.012	-	0.031	-	-	-	0.031	
3.2) PE													
	-	6.913	-	0.209	-	0.323	-	0.306	-	-	-	0.306	
3.3) QA													
	-	0.106	-	-	-	-	-	-	-	-	-	-	
3.4) Product Improvement													
	-	0.106	-	-	-	-	-	-	-	-	-	-	
3.5) Acceptance, Test & Evaluation													
	-	0.100	-	-	-	-	-	-	-	-	-	-	
3.6) Initial Training													
	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Total Support Cost</i>													
		7.630		0.283		0.335		0.337		0.000		0.337	
<i>Procurement Cost (Procurement + Support)</i>													
		9.730		0.283		2.785		2.647		0.000		2.647	
<i>Total Installation Cost</i>													
		0.059		0.000		0.347		0.593		0.000		0.593	
<b>Total Cost (Procurement + Support + Installation)</b>													
		9.789		0.283		3.132		3.240		0.000		3.240	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
TACAN System Upgrade (MT038)													
B Kits													
NonRecurring													
2.2.1) Equipment - NonOrganic <sup>(5)</sup>													
	11	2.310	11	2.310	13	2.730	13	2.730	75	15.750	151	32.690	
<i>Subtotal NonRecurring</i>													
		2.310		2.310		2.730		2.730		15.750		32.690	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TACAN System Upgrade (MT038) - 6

<b>Models of Systems Affected:</b> AN/URN-25	<b>Type Modification:</b> Reliability	<b>Related RDT&amp;E PEs:</b> 0604777N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total, TACAN System Upgrade (MT038)	11	2.310	11	2.310	13	2.730	13	2.730	75	15.750	151	32.690
Total, All Modifications		2.310		2.310		2.730		2.730		15.750		32.690
<b>Support</b>												
3.1) ILS	-	0.031	-	0.031	-	0.031	-	0.052	-	0.131	-	0.798
3.2) PE	-	0.351	-	0.305	-	0.393	-	0.481	-	-	-	9.281
3.3) QA	-	-	-	-	-	-	-	-	-	-	-	0.106
3.4) Product Improvement	-	-	-	-	-	-	-	-	-	-	-	0.106
3.5) Acceptance, Test & Evaluation	-	-	-	-	-	-	-	-	-	0.117	-	0.217
3.6) Initial Training	-	-	-	-	-	-	-	0.000	-	0.087	-	0.087
Total Support Cost		0.382		0.336		0.424		0.533		0.335		10.595
Procurement Cost (Procurement + Support)		2.692		2.646		3.154		3.263		16.085		43.285
Total Installation Cost		0.593		0.593		0.593		0.593		3.002		6.373
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.285</b>		<b>3.239</b>		<b>3.747</b>		<b>3.856</b>		<b>19.087</b>		<b>49.658</b>

**Remarks:**

<sup>(5)</sup>Original cost projections for this procurement only included specific internal system components being upgraded for a unit cost of approx. \$125K per unit. In order to meet current sustainment requirements, a more comprehensive system upgrade will now be done. This unit cost increase is reflected in FY12 and beyond and has the concurrence of the Resource Sponsor.

**Manufacturer Information: TACAN System Upgrade (MT038)**

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 5			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Nov 2012	Nov 2013	Nov 2014	Nov 2015	Nov 2016
Delivery Dates		Jun 2012	Apr 2013	Apr 2014	Apr 2015	Apr 2016	Apr 2017

**Installation: TACAN System Upgrade (MT038)**      **Method of Implementation:** AIT      **Installation Name:** Equipment

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	0.059	-	-	8	0.347	1	0.043	0	0.000	1	0.043

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): TACAN System Upgrade (MT038) - 6					
<b>Models of Systems Affected:</b> AN/URN-25				<b>Type Modification:</b> Reliability				<b>Related RDT&amp;E PEs:</b> 0604777N					

<b>Installation:</b> TACAN System Upgrade (MT038)				<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> Equipment					
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	7	0.296	0	0.000	7	0.296
FY 2013	-	-	-	-	-	-	6	0.254	0	0.000	6	0.254
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>0.059</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>0.347</b>	<b>14</b>	<b>0.593</b>	<b>0</b>	<b>0.000</b>	<b>14</b>	<b>0.593</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	10	0.449
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	7	0.296
FY 2013	5	0.213	-	-	-	-	-	-	-	-	11	0.467
FY 2014	9	0.380	2	0.128	-	-	-	-	-	-	11	0.508
FY 2015	-	-	11	0.465	-	-	-	-	-	-	11	0.465
FY 2016	-	-	-	-	13	0.593	-	-	-	-	13	0.593
FY 2017	-	-	-	-	-	-	13	0.593	-	-	13	0.593
To Complete	-	-	-	-	-	-	-	-	75	3.002	75	3.002
<b>Total</b>	<b>14</b>	<b>0.593</b>	<b>13</b>	<b>0.593</b>	<b>13</b>	<b>0.593</b>	<b>13</b>	<b>0.593</b>	<b>75</b>	<b>3.002</b>	<b>151</b>	<b>6.373</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	1	-	-	-	-	-	2	3	3	3	4	4	3	3	2	4	5	2	-	5	6	-	-	6	7	-	-	6	7	75	151
Out	1	-	-	-	-	-	2	3	3	3	4	4	3	3	2	4	5	2	-	5	6	-	-	6	7	-	-	6	7	75	151

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9				<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Mode S Digital Interrogator (MT040) - 7				
<b>Models of Systems Affected:</b> AN/UPX-37/ ANUPX-41(V)			<b>Type Modification:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0604777N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.648	2.387	2.336	2.334	0.000	2.334	3.152	3.352	3.655	4.356	6.744	38.964
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	10.648	2.387	2.336	2.334	0.000	2.334	3.152	3.352	3.655	4.356	6.744	38.964
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>10.648</b>	<b>2.387</b>	<b>2.336</b>	<b>2.334</b>	<b>0.000</b>	<b>2.334</b>	<b>3.152</b>	<b>3.352</b>	<b>3.655</b>	<b>4.356</b>	<b>6.744</b>	<b>38.964</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Adds Mode Select Beacon System (Mode S) commercial aircraft interrogation capability to IFF shipboard interrogators. The Mode S provides improved aircraft surveillance and communications necessary to support air traffic control automation in the dense traffic environments. Mode S provides more accurate aircraft positional information and minimizes interference by discrete interrogation of each Mode S transponder-equipped aircraft and improved processing of aircraft replies. In addition, Mode S provides the medium for a digital data link, which can be used to exchange information between aircraft and various air traffic control functions and weather databases. Inventory Objective of 311 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT) and ship/submarine Ship Program Manager (SPM) procurement plans and schedules.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mode S Digital Interrogator (MT040) - 7
<b>Models of Systems Affected:</b> AN/UPX-37/ ANUPX-41(V)	<b>Type Modification:</b> Capability Improvement	<b>Related RDT&amp;E PEs:</b> 0604777N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Mode S Digital Interrogator (MT040)												
B Kits												
NonRecurring												
2.2.1) Equipment - NonOrganic <sup>(6)</sup>	-	-	-	-	-	-	41	0.435	-	-	41	0.435
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.435		0.000		0.435
<i>Total, Mode S Digital Interrogator (MT040)</i>	-	-	-	-	-	-	41	0.435	-	-	41	0.435
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.435		0.000		0.435
<b>Support</b>												
3.1) Support Equipment	-	0.437	-	0.251	-	-	-	0.125	-	-	-	0.125
3.2) ILS	-	0.509	-	0.337	-	0.141	-	0.164	-	-	-	0.164
3.3) PE	-	9.354	-	1.118	-	2.195	-	1.473	-	-	-	1.473
3.4) Acceptance, Test & Evaluation	-	-	-	0.406	-	-	-	0.137	-	-	-	0.137
3.5) Depot	-	-	-	0.200	-	-	-	-	-	-	-	-
3.6) Initial Training	-	0.348	-	0.075	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		10.648		2.387		2.336		1.899		0.000		1.899
<i>Procurement Cost (Procurement + Support)</i>		10.648		2.387		2.336		2.334		0.000		2.334
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>10.648</b>		<b>2.387</b>		<b>2.336</b>		<b>2.334</b>		<b>0.000</b>		<b>2.334</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Mode S Digital Interrogator (MT040)												
B Kits												
NonRecurring												
2.2.1) Equipment - NonOrganic <sup>(6)</sup>	42	0.497	53	0.607	55	0.642	71	0.815	49	0.516	311	3.512

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Mode S Digital Interrogator (MT040) - 7
<b>Models of Systems Affected:</b> AN/UPX-37/ ANUPX-41(V)	<b>Type Modification:</b> Capability Improvement	<b>Related RDT&amp;E PEs:</b> 0604777N

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Subtotal NonRecurring</i>		0.497		0.607		0.642		0.815		0.516		3.512
<i>Total, Mode S Digital Interrogator (MT040)</i>	42	0.497	53	0.607	55	0.642	71	0.815	49	0.516	311	3.512
<i>Total, All Modifications</i>		0.497		0.607		0.642		0.815		0.516		3.512
<b>Support</b>												
3.1) Support Equipment	-	0.126	-	0.179	-	0.165	-	0.209	-	0.131	-	1.623
3.2) ILS	-	0.290	-	0.449	-	0.324	-	0.422	-	0.557	-	3.193
3.3) PE	-	1.241	-	1.258	-	1.335	-	1.380	-	2.482	-	21.836
3.4) Acceptance, Test & Evaluation	-	0.361	-	0.346	-	0.376	-	0.531	-	0.969	-	3.126
3.5) Depot	-	-	-	-	-	-	-	-	-	-	-	0.200
3.6) Initial Training	-	-	-	-	-	-	-	-	-	-	-	0.423
<i>Total Support Cost</i>		2.018		2.232		2.200		2.542		4.139		30.401
<i>Procurement Cost (Procurement + Support)</i>		2.515		2.839		2.842		3.357		4.655		33.913
<i>Total Installation Cost</i>		0.637		0.513		0.813		0.999		2.089		5.051
<b>Total Cost (Procurement + Support + Installation)</b>		3.152		3.352		3.655		4.356		6.744		38.964

**Remarks:**

- (6)1. Delayed Mode S DI due to required processing documentation. Synchronized with the Mode S program. Installs will be concurrent and provide cost savings.
2. Original Total Procurement was 324. Removed 6 units for SESEF they will be getting TPX-57's, our Mode S kit was designed to upgrade a UPX-41(C). Removed 2 units WMSL they have shifted to SCN procurements. Removed 5 units for LHA-1 ship is due to Decommission.
3. FY12 support is in preparation for FY13 procurements and to address immediate obsolescence issues.
4. Program delayed 1 year due to FAA direction for DoD to develop CoNOPs for Mode S Implementation.

<b>Manufacturer Information: Mode S Digital Interrogator (MT040)</b>							
Manufacturer Name: BAE Systems LP				Manufacturer Location: Greenlawn, NY			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates			Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016
Delivery Dates			Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9		<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems
<b>Models of Systems Affected:</b> AN/UPX-37/ ANUPX-41(V)		<b>Type Modification:</b> Capability Improvement
<b>Related RDT&amp;E PEs:</b> 0604777N		
<b>Modification Nomenclature</b> (Modification Title, Modification Number): Mode S Digital Interrogator (MT040) - 7		

<b>Installation:</b> Mode S Digital Interrogator (MT040)		<b>Method of Implementation:</b> AIT				<b>Installation Name:</b> Equipment						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	41	0.637	-	-	-	-	-	-	-	-	41	0.637
FY 2014	-	-	42	0.513	-	-	-	-	-	-	42	0.513
FY 2015	-	-	-	-	53	0.813	-	-	-	-	53	0.813
FY 2016	-	-	-	-	-	-	55	0.999	-	-	55	0.999
FY 2017	-	-	-	-	-	-	-	-	71	1.348	71	1.348
To Complete	-	-	-	-	-	-	-	-	39	0.741	39	0.741
Total	41	0.637	42	0.513	53	0.813	55	0.999	110	2.089	301	5.051



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 9	<b>P-1 Line Item Nomenclature:</b> 2851 - ID Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Mode S Digital Interrogator (MT040) - 7
<b>Models of Systems Affected:</b> AN/UPX-37/ ANUPX-41(V)	<b>Type Modification:</b> Capability Improvement	<b>Related RDT&amp;E PEs:</b> 0604777N

<b>Installation:</b> Mode S Digital Interrogator (MT040)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> Equipment
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	11	8	11	11	11	9	11	11	10	15	15	13	13	14	14	14	110	301
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	11	8	11	11	11	9	11	11	10	15	15	13	13	14	14	14	110	301

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 9 : Aviation Electronic Equipment

**P-1 Line Item Nomenclature:**  
2876 - Naval Mission Planning Systems

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	167.896	7.756	8.941	9.958	-	9.958	10.070	14.376	10.641	10.613	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	167.896	7.756	8.941	9.958	-	9.958	10.070	14.376	10.641	10.613	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	167.896	7.756	8.941	9.958	-	9.958	10.070	14.376	10.641	10.613	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.422	0.232	0.121	-	0.121	0.095	0.148	0.123	-	0.000	1.141
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This line item provides funding to procure Joint Mission Planning System (JMPS) workstations, Software/Production Engineering Support and Integrated Logistics Support (ILS). JMPS is the Chief of Naval Operation's (CNO) designated automated mission planning system for the Navy. JMPS enables weapon system employment by providing the information and decision aids needed to rapidly plan aircraft, weapon or sensor missions, load mission data into aircraft and weapons, and conduct post mission analysis. JMPS consists of two types of workstations - Maritime (JMPS-M) and Expeditionary (JMPS-E). JMPS-M is the primary product within the Naval Mission Planning System (NavMPS). The Navy's modern aircraft need data loaded from JMPS-M to fly their missions. JMPS-M flight planning seats refer to the computer workstations that employ the JMPS framework software. JMPS-E is a tailorable and collaborative web-based mission planning system for the Amphibious Ready Group (ARG) Amphibious Squadron (PHIBRON). Program cost is not directly related to FY hardware quantity; software is a cost factor independent of FY hardware quantity and cost. Funding profile accounts for required four year workstations refresh to preclude aging hardware, increased failure rates, emerging technology and increased memory requirements.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Naval Mission Planning Systems (See enclosed P-40A)	P40A				167.896			7.756			8.941			9.958			0.000			9.958
<b>Total Gross/Weapon System Cost</b>				<b>167.896</b>			<b>7.756</b>			<b>8.941</b>			<b>9.958</b>			-			<b>9.958</b>	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

Items to be funded in this line include:

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 9 : Aviation Electronic Equipment		<b>P-1 Line Item Nomenclature:</b> 2876 - Naval Mission Planning Systems
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<p>Workstation Components - JMPS-M and JMPS-E procure tactical computer hardware through a non-developmental item acquisition strategy. Tactical computer equipment is used to plan and analyze expeditionary missions and aircraft routes under various mission configurations and operational threat environments. Primary outputs are tasking orders, courses of action (COAs), route plans, and mission essential data loads for mission execution. New workstations consist of aircraft unique data transfer devices and interfaces, Memory Data Loader Receptacles (MDLR) Small Computer Standard Interface (SCSI) (MDLR-S), Data Storage Unit Receptacle SCSI (DSUR-S), network hubs, printers, fleet training school workstations and other peripheral devices for USN/USNR/USMC/USMCR missions. Legacy data loader receptacle failures in addition to computer interface obsolescence and an inability to influence airframe changes for legacy aircraft in sustainment, drive a need to obtain a new data loader using a more extensive interface.</p> <p>Software/Production Engineering Support - The NavMPS program produces software releases via an evolutionary development process. These releases contain enhancements based on fleet inputs and technology challenges. They also contain changes required to retain compatibility with supported platforms, associated weapons, and threat and imagery databases providing input to NavMPS. Software releases are independent of hardware buys. Cost element includes production support services, engineering support services, independent verification and validation test and acceptance, site activation, and quality assurance efforts.</p> <p>Integrated Logistics Support - Site surveys, prepare site installation drawings, on-site engineering and logistics evaluations for installations and delivery systems comply with the specified configuration. This includes the production and delivery of technical documentation and training materials such as OPNOTES, installation instructions, user manuals required during the fielding of NavMPS products. ILS is a cost factor independent of FY hardware quantity and cost.</p> <p>FY11 provided funding to procure six hundred (600) JMPS-M flight planning seats and fifty-four (54) JMPS-E workstations, the continuation of enhancements of software releases based on fleet inputs, emerging technologies and associated logistics support.</p> <p>FY12 provides funding to procure seven hundred fifty (750) JMPS-M flight planning seats and fifty-three (53) JMPS-E workstations, the continuation of enhancements of software releases based on fleet inputs, emerging technologies and associated logistics support.</p> <p>FY13 provides funding to procure eight hundred fifty eight (858) JMPS-M flight planning seats, two hundred (200) JMPS-M fleet training school workstations and five (5) JMPS-E workstations, the continuation of enhancements of software releases based on fleet inputs, emerging technologies and associated logistics support.</p>		

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 9 **P-1 Line Item Nomenclature:** 2876 - Naval Mission Planning Systems **Aggregated Item Name:** Naval Mission Planning Systems

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) Naval Mission Planning Systems</b>																			
1) S7403 JMPS-M FLIGHT PLANNING SEAT (1)	A	-	-	31.823	5,120.00	600	3.072	3,870.00	750	2.902	4,202.80	858	3.606	-	-	-	4,202.80	858	3.606
2) S7408 JMPS-E EXPEDITIONARY WARFARE (2)	A	-	-	0.579	4,780.00	54	0.258	4,910.00	53	0.260	7,200.00	5	0.036	-	-	-	7,200.00	5	0.036
3) Other Costs (3)	A	-	-	135.494	-	-	4.426	-	-	5.779	-	-	6.316	-	-	-	-	-	6.316
<i>Subtotal 1) Naval Mission Planning Systems</i>				167.896			7.756			8.941			9.958			0.000			9.958
<b>Total</b>				<b>167.896</b>			<b>7.756</b>			<b>8.941</b>			<b>9.958</b>			<b>0.000</b>			<b>9.958</b>

**Remarks:**  
 [S7403 JMPS-M FLIGHT PLANNING SEAT] Quantities only reflect JMPS-M laptop procurement. Total Cost includes the procurement of Fleet training school workstations, peripherals devices and data loader receptacles.  
 (1) Quantities only reflect JMPS-M laptop procurement. Total Cost includes the procurement of Fleet training school workstations, peripherals devices and data loader receptacles.  
 (2) Total Cost includes the procurement of peripheral devices.  
 (3) Other costs consist of Intergrated Logistics Support, Software/Production Engineering and Non-Fleet Modernization Program (FMP) Installations.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2804 - Depl JT Cmd & Control (DJC2)
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0603237N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	133.693	23.196	8.994	9.064	-	9.064	3.325	3.436	3.244	3.332	147.425	335.709
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	133.693	23.196	8.994	9.064	-	9.064	3.325	3.436	3.244	3.332	147.425	335.709
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	133.693	23.196	8.994	9.064	-	9.064	3.325	3.436	3.244	3.332	147.425	335.709

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	0.545	0.369	0.414	-	0.414	0.180	0.188	0.250	0.178	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Deployable Joint Command and Control (DJC2) is a Secretary of Defense (SECDEF) and Chairman, Joint Chiefs of Staff (CJCS) priority Department of Defense transformation initiative that is providing a standardized, integrated, rapidly deployable, modular, scaleable, and reconfigurable joint command and control (C2) capability to designated Geographic Combatant Commands (GCCs). DJC2 is the material solution to Defense Planning Guidance that called for the development of Standing Joint Task Forces (JTFs) with a deployable C2 capability. DJC2 will ensure that Joint Force Commanders (JFC) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and JFCs a mission critical, integrated family of systems with which to plan, control, coordinate, execute, and assess operations. It is designed to deploy rapidly, set up within hours, and quickly provide necessary C2 mission and collaboration functionality across the full spectrum of JTF operations. GCC and JTF commanders will use a deployable joint command and control capability for day-to-day operations, as well as when deployed for training or contingency operations to include Humanitarian Assistance and Disaster Relief (HA/DR) efforts. The capability is intended for all levels of conflict and will be reconfigurable to meet specific GCC and JTF mission requirements. This capability must be interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces.

DJC2 site and unit descriptions are as follows: 6 DJC2 cores garrisoned at USSOUTHCOM Tampa, Florida (1), USEUCOM Stuttgart, Germany (1), US Army South, San Antonio, Texas (1), AFRICOM (SETAF) Vicenza, Italy (1), USPACOM Camp Smith, Hawaii (1), and Marine Expeditionary Force (III MEF) Camp Hensen, Japan (1).

Note that DJC2 is not a follow-on or replacement system for the joint Global Command and Control Systems (GCCS); rather, DJC2 will utilize GCCS in its core suite of applications, ensuring interoperability with the worldwide-installed base of GCCS-J.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Depl JT Cmd & Control (DJC2) (See enclosed P-40A)	P40A, P5A, P21				133.693			23.196			8.994			9.064			0.000			9.064

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2804 - Depl JT Cmd & Control (DJC2)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0603237N
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Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Total Gross/Weapon System Cost</b>					133.693			23.196			8.994			9.064			-			9.064

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 FY13 procures System Enhancements for the following three cores: US Army South, San Antonio, Texas (1), Marine Expeditionary Force (III MEF) Camp Hensen, Japan (1) and USEUCOM Stuttgart, Germany (1). Additionally, the program will procure and deliver technical refresh enhancements for two Naval Mine and Anti-Submarine Warfare Command (NMAWC) Rapid Response Kits (RRKs) for LANT and PAC regions.



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2804 - Depl JT Cmd & Control (DJC2) **Aggregated Item Name:** Depl JT Cmd & Control (DJC2)

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) Increment I RRK/EoIP Enhancements (JH400)</b>																			
† 1.1) Increment I RRK/EoIP Enhancements (1)	A	-	-	-	-	-	-	525.000	2	1.050	390.000	2	0.780	-	-	-	390.000	2	0.780
<i>Subtotal 1) Increment I RRK/EoIP Enhancements (JH400)</i>				0.000			0.000			1.050			0.780			0.000			0.780
<b>2) Increment I System Enhancements (JH500)</b>																			
† 2.1) Increment I System Enhancements (2)	A	-	-	131.327	2,832.000	3	8.496	2,648.000	3	7.944	2,761.333	3	8.284	-	-	-	2,761.333	3	8.284
<i>Subtotal 2) Increment I System Enhancements (JH500)</i>				131.327			8.496			7.944			8.284			0.000			8.284
<b>3) Congressional Add: Shelter Upgrade (JH700)</b>																			
3.1) Congressional Add: Shelter Upgrade	A	-	-	2.366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) Congressional Add: Shelter Upgrade (JH700)</i>				2.366			0.000			0.000			0.000			0.000			0.000
<b>4) DJC2 NAVCENT (JH800)</b>																			
† 4.1) DJC2 NAVCENT	A	-	-	-	14,700.000	1	14.700	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) DJC2 NAVCENT (JH800)</i>				0.000			14.700			0.000			0.000			0.000			0.000
<b>Total</b>				<b>133.693</b>			<b>23.196</b>			<b>8.994</b>			<b>9.064</b>			<b>0.000</b>			<b>9.064</b>

**Remarks:**

- (1) Greater unit cost in FY12 due to higher integration for the initial procurement and delivery of RRKs to Naval Mine and Antisubmarine Warfare Command (NMAWC).
- (2) Quantities listed represent DJC2 core system enhancements. Unit costs vary due to different core system enhancements at each site from year to year.

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2804 - Depl JT Cmd & Control (DJC2)	<b>Aggregated Item Name:</b> Depl JT Cmd & Control (DJC2)
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) Increment I RRK/EoIP Enhancements (JH400)</b>												
†1.1) Increment I RRK/EoIP Enhancements		2012	NSWC PC / Panama City, FL	WR	Panama City, FL	Nov 2011	Apr 2012	2	525.000	Y		
†1.1) Increment I RRK/EoIP Enhancements <sup>(3)</sup>		2013	NSWC PC / Panama City, FL	WR	Panama City, FL	Nov 2012	Apr 2013	2	390.000	Y		
<b>2) Increment I System Enhancements (JH500)</b>												
†2.1) Increment I System Enhancements		2011	NSWC PC / Panama City, FL	WR	Panama City, FL	Nov 2010	Jul 2011	3	2,832.000	Y		
†2.1) Increment I System Enhancements		2012	NSWC PC / Panama City, FL	WR	Panama City, FL	Jan 2012	Sep 2012	3	2,648.000	Y		
†2.1) Increment I System Enhancements		2013	NSWC PC / Panama City, FL	WR	Panama City, FL	Nov 2012	Jul 2013	3	2,761.333	Y		
<b>4) DJC2 NAVCENT (JH800)</b>												
†4.1) DJC2 NAVCENT		2011	NSWC PC / Panama City, FL	WR	Panama City, FL	Jan 2012	May 2013	1	14,700.000	Y		

**Remarks:**

<sup>(3)</sup>NSWC Panama City is the government lead integrator in support of DJC2 and uses various contracts to support those efforts.

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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2804 - Depl JT Cmd & Control (DJC2) **Aggregated Item Name:** Depl JT Cmd & Control (DJC2)

COST ELEMENTS Units in Each							Fiscal Year 2011													Fiscal Year 2012												
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2011													Calendar Year 2012												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
1) Increment I RRK/EoIP Enhancements (JH400)																																
1.1) Increment I RRK/EoIP Enhancements																																
	16	2012	NAVY	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2			
	16	2013	NAVY	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2			
2) Increment I System Enhancements (JH500)																																
2.1) Increment I System Enhancements																																
	17	2011	NAVY	3	0	3	-	A	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-			
	17	2012	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2			
	17	2013	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3			
4) DJC2 NAVCENT (JH800)																																
4.1) DJC2 NAVCENT																																
	18	2011	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2804 - Depl JT Cmd & Control (DJC2) **Aggregated Item Name:** Depl JT Cmd & Control (DJC2)

COST ELEMENTS Units in Each							Fiscal Year 2013													Fiscal Year 2014											
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
1) Increment I RRK/EoIP Enhancements (JH400)																															
1.1) Increment I RRK/EoIP Enhancements																															
	16	2012	NAVY	2	2	0																									
	16	2013	NAVY	2	0	2	-	A	-	-	-	-	-	-	2																
2) Increment I System Enhancements (JH500)																															
2.1) Increment I System Enhancements																															
	17	2011	NAVY	3	3	0																									
	17	2012	NAVY	3	1	2	1		1																						
	17	2013	NAVY	3	0	3	-	A	-	-	-	-	-	-	-	1	1	1													
4) DJC2 NAVCENT (JH800)																															
4.1) DJC2 NAVCENT																															
	18	2011	NAVY	1	0	1	-	-	-	-	-	-	-	-	1																
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	F	A	P	A	U	U	A	S
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2804 - Depl JT Cmd & Control (DJC2)	<b>Aggregated Item Name:</b> Depl JT Cmd & Control (DJC2)

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	NSWC PC - Panama City, FL	1	2	2	0	1	5	6	0	1	5	6
2	NSWC PC - Panama City, FL	1	3	3	0	1	8	9	0	1	8	9
3	NSWC PC - Panama City, FL	1	1	1	0	1	16	17	0	1	16	17

**Remarks:**  
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	44.317	2.928	13.529	16.026	-	16.026	12.578	4.398	-	-	0.000	93.776
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	44.317	2.928	13.529	16.026	-	16.026	12.578	4.398	-	-	0.000	93.776
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	44.317	2.928	13.529	16.026	-	16.026	12.578	4.398	-	-	0.000	93.776
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	0.479	-	0.479	-	-	-	-	0.000	0.479
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Maritime Integrated Broadcast Service (MIBS): Project charter is to deliver Integrated Broadcast Service (IBS) data to operational and tactical decision makers aboard United States Navy surface ships, shore headquarters, and other joint platforms. It disseminates organic and non-organic derived data from Navy platforms to other theater tactical, operational, and strategic users. MIBS will give the Navy a capability to receive, transmit, and deliver near real time IBS data, enhancing the Common Operational Picture (COP) supporting operations in all warfare areas, including Ballistic Missile Defense (BMD), Anti-Air Warfare (AAW), Anti-Surface Warfare (ASW), Undersea Warfare (UW), and Electronic Warfare (EW).

DH530: Joint Tactical Terminal - Maritime (JTT-M) (AN/USQ -151) System is a Ultra High Frequency Satellite Communications system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the IBS network using Integrated Broadcast Service-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. The IBS networks feed the Common Operational Intelligence Picture and Maritime Domain Awareness with critical data, supports operational and strategic decision makers at component and combatant commander levels. JTT interfaces with Joint BMD systems to include: Aegis BMD, Theatre High Altitude Area Defense Missile System, and Patriot. JTT-M supports international naval relationships with IBS partner nations through interoperability, enables warfighters with national and theater tactical intelligence support in all warfare areas, strengthens collaborative environment for joint warfighting, and enhances effects based strike with increased Measure of Effectiveness (MOE) data set availability.

JTT-M system (AN/USQ -151) will replace legacy terminals (Tactical Receive Equipment (TRE) and Commanders Tactical Terminal (CTT)), that will become obsolete with the National Security Agency (NSA) crypto modernization mandate, as well as be able to provide IBS capability to Aegis platforms without IBS terminals.

DH530: AN/USC-62 Upgrade Kits: The JTT-M AN/USQ -151 system is comprised of a AN/USC-62, JTT - Senior (Sr) subsystem, an operator workstation, and various pieces of equipment needed to interface and integrate the terminal into a Navy platform. The AN/USC-62 Upgrade Kits will enable compliance with NSA crypto modernization mandate, Common Message Format (CMF) and Common Integrated Broadcast (CIB) waveform.

DH530: Universal Computers: The procurement of new Grade A Universal Computers is required to host hardware and software to configure the AN/USC-62 terminal, as well as display and process IBS data. The universal computers are being replaced due to obsolescence.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 10 : Other Shore Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2900 - Maritime Intergrated Broadcast System

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP - 1	P3A		-	-	1.341	-	-	2.361	-	-	3.740	-	-	4.690	-	-	0.000	-	-	4.690
AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE - 2	P3A		-	-	0.750	-	-	0.567	-	-	1.036	-	-	0.624	-	-	0.000	-	-	0.624
AN/USQ-151, JTT-M SYSTEMS - Ship - 3	P3A		-	-	39.274	-	-	0.000	-	-	7.452	-	-	10.112	-	-	0.000	-	-	10.112
AN/USQ-151, JTT-M SYSTEM - Shore - 4	P3A		-	-	2.952	-	-	0.000	-	-	1.301	-	-	0.600	-	-	0.000	-	-	0.600
<b>Total Gross/Weapon System Cost</b>					<b>44.317</b>			<b>2.928</b>			<b>13.529</b>			<b>16.026</b>			<b>-</b>			<b>16.026</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	12.132
AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	2.977
AN/USQ-151, JTT-M SYSTEMS - Ship - 3	P3A		-	-	12.578	-	-	4.398	-	-	0.000	-	-	0.000	-	-	0.000	-	-	73.814
AN/USQ-151, JTT-M SYSTEM - Shore - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	4.853
<b>Total Gross/Weapon System Cost</b>					<b>12.578</b>			<b>4.398</b>			<b>-</b>			<b>-</b>			<b>0.000</b>			<b>93.776</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 FY13 funds will be used to procure (8) AN/USQ-151 JTT-M Systems and (41) JTT-M Universal Computers.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP - 1

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.341	2.361	3.740	4.690	0.000	4.690	0.000	0.000	0.000	0.000	0.000	12.132
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.341	2.361	3.740	4.690	0.000	4.690	0.000	0.000	0.000	0.000	0.000	12.132
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.341</b>	<b>2.361</b>	<b>3.740</b>	<b>4.690</b>	<b>0.000</b>	<b>4.690</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>12.132</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The AN/USQ-151, JTT-M system is a Ultra High Frequency (UHF) Satellite Communications (SATCOM) radio system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the Integrated Broadcast Service (IBS) network using IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. AN/USC-62 upgrade kits update the terminals to support NSA mandated crypto modernization, Common Message Format (CMF) and Common Integrated Broadcast (CIB) waveform. The universal computers are being replaced due to obsolescence.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP - 1

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP												
B Kits												
Recurring												
1.1) AN/USC-62 Upgrade Kit - NonOrganic <sup>(1)</sup>	17	1.105	36	2.160	15	1.650	-	-	-	-	-	-
1.2) Universal Computers - Organic <sup>(2)</sup>	-	-	-	-	28	0.588	40	0.840	-	-	40	0.840
<i>Subtotal Recurring</i>		1.105		2.160		2.238		0.840		0.000		0.840
<i>Total, AN/USC-62 UPGRADE KITS &amp; UNIVERSAL COMPUTER - SHIP</i>	17	1.105	36	2.160	43	2.238	40	0.840	-	-	40	0.840
<i>Total, All Modifications</i>		1.105		2.160		2.238		0.840		0.000		0.840
<b>Support</b>												
1.1) Production Support	-	0.236	-	0.201	-	0.527	-	0.299	-	-	-	0.299
<i>Total Support Cost</i>		0.236		0.201		0.527		0.299		0.000		0.299
<i>Procurement Cost (Procurement + Support)</i>		1.341		2.361		2.765		1.139		0.000		1.139
<i>Total Installation Cost</i>		0.000		0.000		0.975		3.551		0.000		3.551
<b>Total Cost (Procurement + Support + Installation)</b>		1.341		2.361		3.740		4.690		0.000		4.690

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP												
B Kits												
Recurring												
1.1) AN/USC-62 Upgrade Kit - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	68	4.915
1.2) Universal Computers - Organic <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	68	1.428
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		6.343
<i>Total, AN/USC-62 UPGRADE KITS &amp; UNIVERSAL COMPUTER - SHIP</i>	-	-	-	-	-	-	-	-	-	-	136	6.343
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		6.343

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP - 1

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Support</b>												
1.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	1.263
<b>Total Support Cost</b>		0.000		0.000		0.000		0.000		0.000		1.263
<b>Procurement Cost (Procurement + Support)</b>		0.000		0.000		0.000		0.000		0.000		7.606
<b>Total Installation Cost</b>		0.000		0.000		0.000		0.000		0.000		4.526
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		12.132

**Remarks:**

- (1)The MIBS program is procuring (68) AN/USC-62 upgrade kits from the Army's JTT-M Joint Program Office (JPO) contract to support the NSA Mandated Crypto Upgrade cutoff date. Prior year funds procured 17 ship and 10 shore upgrade kits. Contract Award took place on Sept 30, 2010, leading to the first delivery by March 30, 2012.
- (2)The Universal Computers are required to configure the AN/USC-62 Upgrade Kits, therefore they will be installed in conjunction with the upgrade kits. Universal Computers have a 3 month lead time (Nov-12 to Feb-13).

**Manufacturer Information: AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP**

Manufacturer Name: Raytheon	Manufacturer Location: St. Petersburg, FL
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Nov 2011					
Delivery Dates	Oct 2012	May 2013					

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 3

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Nov 2011	Nov 2012				
Delivery Dates		Feb 2012	Feb 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP - 1

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Installation:</b> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP	<b>Method of Implementation:</b> Ship	<b>Installation Name:</b> AN/USC-62 Upgrade Kit
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	15	0.975	2	0.134	0	0.000	2	0.134
FY 2011	-	-	-	-	-	-	36	2.412	0	0.000	36	2.412
FY 2012	-	-	-	-	-	-	15	1.005	0	0.000	15	1.005
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	15	0.975	53	3.551	0	0.000	53	3.551

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	17	1.109
FY 2011	-	-	-	-	-	-	-	-	-	-	36	2.412
FY 2012	-	-	-	-	-	-	-	-	-	-	15	1.005
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	68	4.526

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP - 1

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Installation:</b> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP	<b>Method of Implementation:</b> Ship	<b>Installation Name:</b> AN/USC-62 Upgrade Kit
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	7	8	7	8	18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68		
Out	-	-	-	-	-	-	-	7	8	7	8	18	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68		

<b>Installation:</b> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP	<b>Method of Implementation:</b> Not Installed - Universal Computers	<b>Installation Quantity:</b> 68
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.750	0.567	1.036	0.624	0.000	0.624	0.000	0.000	0.000	0.000	0.000	2.977
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.750	0.567	1.036	0.624	0.000	0.624	0.000	0.000	0.000	0.000	0.000	2.977
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.750</b>	<b>0.567</b>	<b>1.036</b>	<b>0.624</b>	<b>0.000</b>	<b>0.624</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2.977</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The AN/USQ-151, JTT-M system is a Ultra High Frequency (UHF) Satellite Communications (SATCOM) radio system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the Integrated Broadcast Service (IBS) network using IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. AN/USC-62 upgrade kits update the terminals to support NSA mandated crypto modernization, Common Message Format (CMF) and Common Integrated Broadcast (CIB) waveform. The universal computers are being replaced due to obsolescence.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE												
B Kits												
Recurring												
1.1.1) AN/USC-62 Upgrade Kit - NonOrganic <sup>(3)</sup>	10	0.650	9	0.540	-	-	-	-	-	-	-	-
1.1.2) Universal Computers - Organic <sup>(4)</sup>	-	-	-	-	15	0.315	1	0.021	-	-	1	0.021
<i>Subtotal Recurring</i>		0.650		0.540		0.315		0.021		0.000		0.021
<i>Total, AN/USC-62 UPGRADE KITS &amp; UNIVERSAL COMPUTER - SHORE</i>	10	0.650	9	0.540	15	0.315	1	0.021	-	-	1	0.021
<i>Total, All Modifications</i>		0.650		0.540		0.315		0.021		0.000		0.021
<b>Support</b>												
2.1) Production Support	-	0.100	-	0.027	-	0.071	-	-	-	-	-	-
<i>Total Support Cost</i>		0.100		0.027		0.071		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.750		0.567		0.386		0.021		0.000		0.021
<i>Total Installation Cost</i>		0.000		0.000		0.650		0.603		0.000		0.603
<b>Total Cost (Procurement + Support + Installation)</b>		0.750		0.567		1.036		0.624		0.000		0.624

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE												
B Kits												
Recurring												
1.1.1) AN/USC-62 Upgrade Kit - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	-	-	-	-	19	1.190
1.1.2) Universal Computers - Organic <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	16	0.336
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		1.526
<i>Total, AN/USC-62 UPGRADE KITS &amp; UNIVERSAL COMPUTER - SHORE</i>	-	-	-	-	-	-	-	-	-	-	35	1.526
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		1.526

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	0.198
<b>Total Support Cost</b>		0.000		0.000		0.000		0.000		0.000		0.198
<b>Procurement Cost (Procurement + Support)</b>		0.000		0.000		0.000		0.000		0.000		1.724
<b>Total Installation Cost</b>		0.000		0.000		0.000		0.000		0.000		1.253
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		2.977

**Remarks:**

- (3)The MIBS program is procuring (19) AN/USC-62 upgrade kits from the Army's JTT-M Joint Program Office (JPO) contract to support the NSA Mandated Crypto Upgrade cutoff date. Prior year funds procured 17 ship and 10 shore upgrade kits. Contract Award took place on Sept 30, 2010, leading to the first delivery by March 30, 2012.
- (4)The Universal Computers are required to configure the AN/USC-62 Upgrade Kits, therefore they will be installed in conjunction with the upgrade kits. Universal Computers have a 3 month lead time (Nov-12 to Feb-13).

**Manufacturer Information: AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE**

Manufacturer Name: Raytheon	Manufacturer Location: St. Petersburg, FL
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 18

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011						
Delivery Dates	Oct 2012						

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 3

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Nov 2011	Nov 2012				
Delivery Dates		Feb 2012	Feb 2013				



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Installation:</b> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE	<b>Method of Implementation:</b> Shore	<b>Installation Name:</b> AN/USC-62 Upgrade Kit
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	10	0.650	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	9	0.603	0	0.000	9	0.603
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	10	0.650	9	0.603	0	0.000	9	0.603

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	10	0.650
FY 2011	-	-	-	-	-	-	-	-	-	-	9	0.603
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	19	1.253

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Installation:</b> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE	<b>Method of Implementation:</b> Shore	<b>Installation Name:</b> AN/USC-62 Upgrade Kit
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	5	5	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19		
Out	-	-	-	-	-	-	-	5	5	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19		

<b>Installation:</b> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE	<b>Method of Implementation:</b> Not Installed - Universal Computers	<b>Installation Quantity:</b> 16
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> AN/USQ-151, JTT-M SYSTEMS - Ship - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	39.274	0.000	7.452	10.112	0.000	10.112	12.578	4.398	0.000	0.000	0.000	73.814
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	39.274	0.000	7.452	10.112	0.000	10.112	12.578	4.398	0.000	0.000	0.000	73.814
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>39.274</b>	<b>0.000</b>	<b>7.452</b>	<b>10.112</b>	<b>0.000</b>	<b>10.112</b>	<b>12.578</b>	<b>4.398</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>73.814</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The AN/USQ-151, JTT-M system is a Ultra High Frequency (UHF) Satellite Communications (SATCOM) radio system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the Integrated Broadcast Service (IBS) network using IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. New AN/USQ-62, JTT-Senior systems will replace legacy terminals (Tactical Receive Equipment (TRE) and Commanders Tactical Terminal (CTT)) which will become obsolete with the National Security Agency (NSA) crypto modernization mandate as well as be able to provide IBS capability to AEGIS platforms without IBS terminals.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USQ-151, JTT-M SYSTEMS - Ship - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/USQ-151, JTT-M SYSTEMS - Ship												
B Kits												
Recurring												
1.1.1) AN/USQ-151, JTT-M Systems - NonOrganic <sup>(5)</sup>	44	19.071	-	-	12	6.360	8	5.120	-	-	8	5.120
1.1.2) Ancillary Equipment - Organic	21	1.040	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		20.111		0.000		6.360		5.120		0.000		5.120
<i>Total, AN/USQ-151, JTT-M SYSTEMS - Ship</i>	65	20.111	-	-	12	6.360	8	5.120	-	-	8	5.120
<i>Total, All Modifications</i>		20.111		0.000		6.360		5.120		0.000		5.120
<b>Support</b>												
2.1) Production Support	-	6.648	-	-	-	0.060	-	0.332	-	-	-	0.332
2.2) DSA	-	1.770	-	-	-	1.032	-	1.060	-	-	-	1.060
<i>Total Support Cost</i>		8.418		0.000		1.092		1.392		0.000		1.392
<i>Procurement Cost (Procurement + Support)</i>		28.529		0.000		7.452		6.512		0.000		6.512
<i>Total Installation Cost</i>		10.745		0.000		0.000		3.600		0.000		3.600
<b>Total Cost (Procurement + Support + Installation)</b>		39.274		0.000		7.452		10.112		0.000		10.112

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/USQ-151, JTT-M SYSTEMS - Ship												
B Kits												
Recurring												
1.1.1) AN/USQ-151, JTT-M Systems - NonOrganic <sup>(5)</sup>	14	7.700	-	-	-	-	-	-	-	-	78	38.251
1.1.2) Ancillary Equipment - Organic	-	-	-	-	-	-	-	-	-	-	21	1.040
<i>Subtotal Recurring</i>		7.700		0.000		0.000		0.000		0.000		39.291
<i>Total, AN/USQ-151, JTT-M SYSTEMS - Ship</i>	14	7.700	-	-	-	-	-	-	-	-	99	39.291

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USQ-151, JTT-M SYSTEMS - Ship - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Total, All Modifications</i>		7.700		0.000		0.000		0.000		0.000		39.291
<b>Support</b>												
2.1) Production Support	-	0.490	-	0.058	-	-	-	-	-	-	-	7.588
2.2) DSA	-	1.948	-	-	-	-	-	-	-	-	-	5.810
<b>Total Support Cost</b>		2.438		0.058		0.000		0.000		0.000		13.398
<b>Procurement Cost (Procurement + Support)</b>		10.138		0.058		0.000		0.000		0.000		52.689
<b>Total Installation Cost</b>		2.440		4.340		0.000		0.000		0.000		21.125
<b>Total Cost (Procurement + Support + Installation)</b>		12.578		4.398		0.000		0.000		0.000		73.814

**Remarks:**  
<sup>(5)</sup>The FY12-FY14 AN/USQ-151 system procurement will be under a new contract vehicle to replace legacy Integrated Broadcast Service (IBS) terminals (Tactical Receive Equipment (TRE) and Commanders Tactical Terminal (CTT)) and provide IBS capability to AEGIS ships without a JTT-M system.

<b>Manufacturer Information: AN/USQ-151, JTT-M SYSTEMS - Ship</b>											
Manufacturer Name: TBD						Manufacturer Location: TBD					
Administrative Leadtime (in Months): 1						Production Leadtime (in Months): 12					
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>				
Contract Dates		Nov 2011	Nov 2012								
Delivery Dates		Nov 2012	Nov 2013								

<b>Installation:</b> AN/USQ-151, JTT-M SYSTEMS - Ship	<b>Method of Implementation:</b> Ship	<b>Installation Name:</b> AN/USQ-151, JTT-M Systems
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	44	10.745	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	12	3.600	0	0.000	12	3.600
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System
		<b>Modification Nomenclature</b> (Modification Title, Modification Number): AN/USQ-151, JTT-M SYSTEMS - Ship - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Installation:</b> AN/USQ-151, JTT-M SYSTEMS - Ship	<b>Method of Implementation:</b> Ship	<b>Installation Name:</b> AN/USQ-151, JTT-M Systems
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>44</b>	<b>10.745</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>3.600</b>	<b>0</b>	<b>0.000</b>	<b>12</b>	<b>3.600</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	44	10.745
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	12	3.600
FY 2013	8	2.440	-	-	-	-	-	-	-	-	8	2.440
FY 2014	-	-	14	4.340	-	-	-	-	-	-	14	4.340
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>8</b>	<b>2.440</b>	<b>14</b>	<b>4.340</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>78</b>	<b>21.125</b>

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	44	-	-	-	-	-	-	-	-	2	3	4	3	2	2	2	2	2	3	4	5	-	-	-	-	-	-	-	-	78
Out	44	-	-	-	-	-	-	-	-	2	3	4	3	2	2	2	2	2	3	4	5	-	-	-	-	-	-	-	-	78

<b>Installation:</b> AN/USQ-151, JTT-M SYSTEMS - Ship	<b>Method of Implementation:</b> Not Installed - Ancillary Equipment	<b>Installation Quantity:</b> 21
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> AN/USQ-151, JTT-M SYSTEM - Shore - 4

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.952	0.000	1.301	0.600	0.000	0.600	0.000	0.000	0.000	0.000	0.000	4.853
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.952	0.000	1.301	0.600	0.000	0.600	0.000	0.000	0.000	0.000	0.000	4.853
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2.952</b>	<b>0.000</b>	<b>1.301</b>	<b>0.600</b>	<b>0.000</b>	<b>0.600</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>4.853</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The AN/USQ-151, JTT-M system is a Ultra High Frequency (UHF) Satellite Communications (SATCOM) radio system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the Integrated Broadcast Service (IBS) network using IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. New AN/USQ-62, JTT-Senior systems will replace legacy terminals (Tactical Receive Equipment (TRE) and Commanders Tactical Terminal (CTT)) which will become obsolete with the National Security Agency (NSA) crypto modernization mandate as well as be able to provide IBS capability to AEGIS platforms without IBS terminals.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USQ-151, JTT-M SYSTEM - Shore - 4

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/USQ-151, JTT-M SYSTEM - Shore												
B Kits												
Recurring												
1.1.1) AN/USQ-151, JTT-M SYSTEM - NonOrganic <sup>(6)</sup>	7	1.800	-	-	2	1.060	-	-	-	-	-	-
<i>Subtotal Recurring</i>		1.800		0.000		1.060		0.000		0.000		0.000
<i>Total, AN/USQ-151, JTT-M SYSTEM - Shore</i>	7	1.800	-	-	2	1.060	-	-	-	-	-	-
<i>Total, All Modifications</i>		1.800		0.000		1.060		0.000		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	0.011	-	-	-	-	-	-
2.2) DSA	-	-	-	-	-	0.230	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.241		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		1.800		0.000		1.301		0.000		0.000		0.000
<i>Total Installation Cost</i>		1.152		0.000		0.000		0.600		0.000		0.600
<b>Total Cost (Procurement + Support + Installation)</b>		2.952		0.000		1.301		0.600		0.000		0.600

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
AN/USQ-151, JTT-M SYSTEM - Shore												
B Kits												
Recurring												
1.1.1) AN/USQ-151, JTT-M SYSTEM - NonOrganic <sup>(6)</sup>	-	-	-	-	-	-	-	-	-	-	9	2.860
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		2.860
<i>Total, AN/USQ-151, JTT-M SYSTEM - Shore</i>	-	-	-	-	-	-	-	-	-	-	9	2.860
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		2.860
<b>Support</b>												



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USQ-151, JTT-M SYSTEM - Shore - 4

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	0.011
2.2) DSA	-	-	-	-	-	-	-	-	-	-	-	0.230
<b>Total Support Cost</b>		0.000		0.000		0.000		0.000		0.000		0.241
<b>Procurement Cost (Procurement + Support)</b>		0.000		0.000		0.000		0.000		0.000		3.101
<b>Total Installation Cost</b>		0.000		0.000		0.000		0.000		0.000		1.752
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		4.853

**Remarks:**

<sup>(6)</sup>The FY12 AN/USQ-151 system procurement will be under a new contract vehicle to replace legacy Integrated Broadcast Service (IBS) terminals (Tactical Receive Equipment (TRE) and Commanders Tactical Terminal (CTT)) and provide IBS capability to AEGIS ships without a JTT-M system.

**Manufacturer Information: AN/USQ-151, JTT-M SYSTEM - Shore**

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Nov 2011					
Delivery Dates		Nov 2012					

**Installation: AN/USQ-151, JTT-M SYSTEM - Shore**      **Method of Implementation:** [none specified]      **Installation Name:** AN/USQ-151, JTT-M SYSTEM

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	7	1.152	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	0.600	0	0.000	2	0.600
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2900 - Maritime Intergrated Broadcast System	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): AN/USQ-151, JTT-M SYSTEM - Shore - 4

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Installation:</b> AN/USQ-151, JTT-M SYSTEM - Shore	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> AN/USQ-151, JTT-M SYSTEM
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>7</b>	<b>1.152</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>0.600</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>0.600</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	7	1.152
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.600
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9</b>	<b>1.752</b>

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	7	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Out	7	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0604231N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	29.079	9.778	10.876	11.886	3.603	15.489	18.232	18.099	15.713	16.153	65.560	198.979
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	29.079	9.778	10.876	11.886	3.603	15.489	18.232	18.099	15.713	16.153	65.560	198.979
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	29.079	9.778	10.876	11.886	3.603	15.489	18.232	18.099	15.713	16.153	65.560	198.979
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.625	0.524	0.534	-	0.534	0.937	0.931	1.093	0.774	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Tactical/Mobile (TacMobile) Command and Control, Communications, Computers and Intelligence (C4I) Systems: The TacMobile program provides evolutionary C4I capabilities and ancillary equipment upgrades to support the unified, fleet, and Navy component commanders, the maritime patrol and reconnaissance, theater, and the naval liaison element commanders (ashore) with the capability to plan, direct and control the tactical operations of joint and naval expeditionary forces and other assigned units within their respective area of responsibility. Each TacMobile unit is a system-of-systems which includes a C2I (command, control and intelligence) component, and communications, networks, computers, mobility, and facilities components. The command and control services are currently provided by Global Command and Control System - Maritime (GCCS-M) and include core GCCS-M capabilities, analysis, correlation and fusion of diverse sensor information; data management support, command decision aids; access to rapid data communication, mission planning and evaluation; dissemination of ocean surveillance positional data and threat alerts to operational users ashore and afloat. The communications and mobility component provides communications interconnectivity between various joint and naval commands, as well as the equipment necessary to make the systems mobile and self-sustaining in operational environments. The networks and computers component provides the computing infrastructure, net-centricity, and data processing environment for the operational units.

The Tactical/Mobile System includes the fixed site Tactical Operations Centers (TOC), and the Mobile Tactical Operations Centers (MTOC) which is a mobile version of the TOC for contingency operations, and the scalable and highly portable Joint Mobile Ashore Support Terminal (JMAST). TacMobile systems TOC and MTOC are undergoing a transformation from forward deployed, fixed sites to a more mobile, expeditionary force to better support the Navy's surge requirements.

11 TOCs: 7 operational systems (located at Jacksonville Florida, Sigonella Italy, Kaneohe Bay Hawaii, Whidbey Island Washington, Kadena Japan, Misawa Japan, and Bahrain), 1 training site (located at Center for Surface Combat Systems Unit (CSCSU) Dam Neck, Virginia), 2 laboratory sites (a communications integration lab located at Space & Naval Warfare Systems Command Systems Center (SSC) Atlantic, and an aircraft integration lab at SSC Atlantic detachment Patuxent River Maryland) and 1 operational system removed in FY10 from NAS Brunswick ME as a result of base closure, to be recapitalized as an MTOC as part of the transformation to a more mobile, expeditionary force.

13 MTOCs: 11 operational systems (home ported at Jacksonville Florida (4 sites), Sigonella Italy, Misawa Japan, Whidbey Island Washington, Bahrain, Comalapa El Salvador, and Coronado (North Island) California (2 sites)), and 1 C4I engineering and maintenance support system (located at the In Service Engineering Activity (ISEA), SSC Atlantic), and 1 C4I Mobile Systems School House (located at Center for Surface Combat Systems Unit (CSCSU) Dam Neck Virginia).

3 JMASTs: 3 legacy operational systems (located at Pearl Harbor Hawaii, Sigonella Italy, and Bahrain).

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 10 : Other Shore Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2906 - Tactical/Mobile C4I Systems

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:** 0604231N

The TacMobile program uses an evolutionary development strategy consisting of incremental upgrades to meet new and emergent fleet requirements, while retaining current capabilities. Tactical Operations Center and Mobile Tactical Operations Center increments are planned and resourced to support the new P-8A Multi-mission Maritime Aircraft (MMA) and new and updated sensors on the P-3C series aircraft.

Further transition and relocations are anticipated as primary Maritime Patrol and Reconnaissance Aircraft operating locations evolve in support of contingency operations, and as a result of the introduction of the P-8A as the replacement aircraft for the P-3C, and the Broad Area Maritime Surveillance Unmanned Aerial System. The Tactical Operations Centers (TOC) and Mobile Tactical Operations Centers (MTOC) personnel along with their C4I infrastructure will transition with these aircraft from a primarily forward deployed force to a more expeditionary surge-ready force. This will entail a reduction in the number of fixed site TOC and an increase in the number of MTOCs.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Tactical/Mobile (TacMobile) C4I Systems (See enclosed P-40A)	P40A, P5A				24.836			5.067			0.000			0.000			0.000			0.000
Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1 - 1	P3A		-	-	0.000	-	-	1.647	-	-	2.840	-	-	2.410	-	-	0.000	-	-	2.410
Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1 - 2	P3A		-	-	0.000	-	-	3.064	-	-	8.036	-	-	7.606	-	-	0.000	-	-	7.606
Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh - 3	P3A		-	-	4.243	-	-	0.000	-	-	0.000	-	-	1.870	-	-	3.603	-	-	5.473
<b>Total Gross/Weapon System Cost</b>					<b>29.079</b>			<b>9.778</b>			<b>10.876</b>			<b>11.886</b>			<b>3.603</b>			<b>15.489</b>

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Tactical/Mobile (TacMobile) C4I Systems (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1 - 1	P3A		-	-	3.400	-	-	2.038	-	-	0.358	-	-	0.000	-	-	0.000	-	-	12.693
Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1 - 2	P3A		-	-	9.112	-	-	3.464	-	-	0.359	-	-	0.000	-	-	0.000	-	-	31.641
Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh - 3	P3A		-	-	1.919	-	-	4.605	-	-	1.574	-	-	2.602	-	-	0.378	-	-	20.794

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0604231N
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Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Total Gross/Weapon System Cost</b>					<b>18.232</b>			<b>18.099</b>			<b>15.713</b>			<b>16.153</b>			<b>65.560</b>			<b>198.979</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 T4050: C4I and mobility equipment upgrades. Upgrades TOC and MTOC C4I equipment and associated software. It also includes mobility and facilities equipment necessary to power and support the C4I equipment in both fixed site and mobile configurations.  
 FY13 procurements include: Tech refresh of TOC C4I; tech refresh of MTOC C4I; FRP Increment 2.1 TOC C4I upgrades; FRP Increment 2.1 MTOC C4I upgrades.

T4GWT: Tech Refresh. FY13 procurements include: Tech refresh Expeditionary Facilities for MTOC and JMAST units experiencing accelerated wear and tear due to heavy utilization supporting OCO operations. Includes Generators, power distribution, grounding systems, and shelters.

TacMobile has three distinct tech refresh efforts across the FYDP: "Tech Refresh 2.0.1" provides technical modernization and refresh to previously fielded Increment 2.0 systems and modernizes operating system baseline and maintains information security posture, "Tech Refresh 2.1.1" provides technical modernization and refresh to previously fielded Increment 2.1 systems to enable interface with P-8A Increment 2 engineering change proposals, and "Overarching Tech Refresh" which provides an end-to end technical refresh to certain MTOC and TOC systems that have not been upgraded and refreshed to the same baseline as the remaining TacMobile systems. These units are now in need of refresh to enable systems capability and meet increased Fleet requirements.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2906 - Tactical/Mobile C4I Systems **Aggregated Item Name:** Tactical/Mobile (TacMobile) C4I Systems

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) T4050 Tactical/Mobile</b>																			
† 1.1) Increment 2.0	A	-	-	23.486	395.830	6	2.375	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Tech Refresh 2.1.1	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Increment 3	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) T4050 Tactical/Mobile</i>				23.486			2.375			0.000			0.000			0.000			0.000
<b>2) T4776 Installation</b>																			
2.1) Shore pre Installation Design	A	-	-	0.203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Increment 2.0	A	-	-	1.147	-	-	2.692	-	-	-	-	-	-	-	-	-	-	-	-
2.3) Tech Refresh 2.1.1	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Increment 3	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) T4776 Installation</i>				1.350			2.692			0.000			0.000			0.000			0.000
<b>Total</b>				<b>24.836</b>			<b>5.067</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2906 - Tactical/Mobile C4I Systems **Aggregated Item Name:** Tactical/Mobile (TacMobile) C4I Systems

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) T4050 Tactical/Mobile</b>																			
† 1.1) Increment 2.0	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Tech Refresh 2.1.1	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Increment 3	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) T4050 Tactical/Mobile</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) T4776 Installation</b>																			
2.1) Shore pre Installation Design	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Increment 2.0	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) Tech Refresh 2.1.1	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Increment 3	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) T4776 Installation</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

- Remarks:**
1. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems.
  2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of systems change from year to year and cost will vary.
  3. Unit cost variances exist in FY13 and FY14 Tech Refresh procurements in order to bring all TacMobile sites to a common configuration baseline.

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Aggregated Item Name:</b> Tactical/Mobile (TacMobile) C4I Systems
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) T4050 Tactical/Mobile</b>												
1.1) Increment 2.0 <sup>(1)</sup>		2011	Unknown / Unknown	C / FFP	SSC LANT	Nov 2010	Apr 2011	6	395.830	Y		Jul 2010

**Remarks:**  
<sup>(1)</sup>Funding is sent to SSC LANT for the procurement of various hardware components under Firm Fixed Price (FFP) contracts. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems. Unit cost represents an average, because TacMobile is a system of systems. Configuration of systems to be fielded change from year to year and cost will vary.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1 - 1

<b>Models of Systems Affected:</b> INC 2.0	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	1.647	2.840	2.410	0.000	2.410	3.400	2.038	0.358	0.000	0.000	12.693
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	1.647	2.840	2.410	0.000	2.410	3.400	2.038	0.358	0.000	0.000	12.693
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>1.647</b>	<b>2.840</b>	<b>2.410</b>	<b>0.000</b>	<b>2.410</b>	<b>3.400</b>	<b>2.038</b>	<b>0.358</b>	<b>0.000</b>	<b>0.000</b>	<b>12.693</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides technical modernization and technical refresh to fielded existing TacMobile Inc. 2.0 systems to ensure continued supportability and maintain fleet core capability functionally throughout service life.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1 - 1

<b>Models of Systems Affected:</b> INC 2.0	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(2)</sup>	-	-	2	0.557	4	1.136	2	0.579	-	-	2	0.579
1.1.2) MTOC - NonOrganic	-	-	2	0.557	6	1.704	4	1.158	-	-	4	1.158
<i>Subtotal Recurring</i>		0.000		1.114		2.840		1.737		0.000		1.737
<i>Total, Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1</i>	-	-	4	1.114	10	2.840	6	1.737	-	-	6	1.737
<i>Total, All Modifications</i>		0.000		1.114		2.840		1.737		0.000		1.737
<b>Support</b>												
2.1) Production Support	-	0.000	-	-	-	-	-	-	-	-	-	-
2.2) Other (DSA)	-	0.000	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		1.114		2.840		1.737		0.000		1.737
<i>Total Installation Cost</i>		0.000		0.533		0.000		0.673		0.000		0.673
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>1.647</b>		<b>2.840</b>		<b>2.410</b>		<b>0.000</b>		<b>2.410</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(2)</sup>	2	0.591	2	0.603	-	-	-	-	-	-	12	3.466
1.1.2) MTOC - NonOrganic	6	1.773	-	-	-	-	-	-	-	-	18	5.192
<i>Subtotal Recurring</i>		2.364		0.603		0.000		0.000		0.000		8.658
<i>Total, Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1</i>	8	2.364	2	0.603	-	-	-	-	-	-	30	8.658

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1 - 1

<b>Models of Systems Affected:</b> INC 2.0	<b>Type Modification:</b> Tech Refresh				<b>Related RDT&amp;E PEs:</b>							
<b>Financial Plan</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
<i>Total, All Modifications</i>		2.364		0.603		0.000		0.000		0.000		8.658
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Other (DSA)	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		2.364		0.603		0.000		0.000		0.000		8.658
<i>Total Installation Cost</i>		1.036		1.435		0.358		0.000		0.000		4.035
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.400</b>		<b>2.038</b>		<b>0.358</b>		<b>0.000</b>		<b>0.000</b>		<b>12.693</b>

**Remarks:**

- (2)<sup>1</sup>. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems.
2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by increment.
3. Install costs vary across fiscal years due to different equipment mixes, site specific requirements, and varied, world-wide locations.
4. Unit cost variances exist in Tech Refresh procurements in order to bring all TacMobile sites to a common configuration baseline.
5. Integration, pre-installation and checkout, packaging, and shipping require a 6 month lead time prior to installation.

<b>Manufacturer Information: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1</b>							
Manufacturer Name: SSC LANT				Manufacturer Location: Charleston, SC			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Dec 2011	Dec 2012				
Delivery Dates	Jun 2011	Jul 2012	Jul 2013				

<b>Installation:</b> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1	<b>Method of Implementation:</b> [none specified]				<b>Installation Name:</b> TacMobile C4I Systems Tech Refresh 2.0.1							
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	4	0.533	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1 - 1

<b>Models of Systems Affected:</b> INC 2.0	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TacMobile C4I Systems Tech Refresh 2.0.1
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2012	-	-	-	-	-	-	10	0.673	0	0.000	10	0.673
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	4	0.533	-	-	10	0.673	0	0.000	10	0.673

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	4	0.533
FY 2012	-	-	-	-	-	-	-	-	-	-	10	0.673
FY 2013	6	1.036	-	-	-	-	-	-	-	-	6	1.036
FY 2014	-	-	8	1.435	-	-	-	-	-	-	8	1.435
FY 2015	-	-	-	-	2	0.358	-	-	-	-	2	0.358
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	6	1.036	8	1.435	2	0.358	-	-	-	-	30	4.035

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1 - 1

<b>Models of Systems Affected:</b> INC 2.0	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TacMobile C4I Systems Tech Refresh 2.0.1
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<b>Installation Schedule</b>																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	4	-	-	-	-	-	6	4	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	30
Out	-	-	-	-	4	-	-	-	-	-	6	4	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	30

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1 - 2

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	3.064	8.036	7.606	0.000	7.606	9.112	3.464	0.359	0.000	0.000	31.641
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	3.064	8.036	7.606	0.000	7.606	9.112	3.464	0.359	0.000	0.000	31.641
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>3.064</b>	<b>8.036</b>	<b>7.606</b>	<b>0.000</b>	<b>7.606</b>	<b>9.112</b>	<b>3.464</b>	<b>0.359</b>	<b>0.000</b>	<b>0.000</b>	<b>31.641</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This line procures Command & Control and Intelligence (C2I), Networks/Computers, Communications and Mobility/Facility Equipment in order to provide an upgraded capability to current Tactical Operation Center (TOC), Mobile Tactical Operation Center (MTOC), and Joint Mobile Ashore Support Terminal (JMAST) systems and their equivalents and to recapitalize equipment when it has reached the end of service life, thus assuring the existing system remains interoperable with Joint and Naval Forces, as well as with updated aircraft, sensors, and weapons systems.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1 - 2

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(3)</sup>	-	-	1	1.057	3	2.985	2	1.943	-	-	2	1.943
1.1.2) MTOC - NonOrganic	-	-	1	1.058	5	4.953	4	3.886	-	-	4	3.886
<i>Subtotal Recurring</i>		0.000		2.115		7.938		5.829		0.000		5.829
<i>Total, Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1</i>	-	-	2	2.115	8	7.938	6	5.829	-	-	6	5.829
<i>Total, All Modifications</i>		0.000		2.115		7.938		5.829		0.000		5.829
<b>Support</b>												
2.1) Shore Pre-Installation Design	-	-	-	0.095	-	0.098	-	0.109	-	-	-	0.109
2.2) New Cost Element	-	0.000	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.095		0.098		0.109		0.000		0.109
<i>Procurement Cost (Procurement + Support)</i>		0.000		2.210		8.036		5.938		0.000		5.938
<i>Total Installation Cost</i>		0.000		0.854		0.000		1.668		0.000		1.668
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>3.064</b>		<b>8.036</b>		<b>7.606</b>		<b>0.000</b>		<b>7.606</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(3)</sup>	2	1.990	2	2.029	-	-	-	-	-	-	10	10.004
1.1.2) MTOC - NonOrganic	6	5.970	-	-	-	-	-	-	-	-	16	15.867
<i>Subtotal Recurring</i>		7.960		2.029		0.000		0.000		0.000		25.871
<i>Total, Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1</i>	8	7.960	2	2.029	-	-	-	-	-	-	26	25.871

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1 - 2

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade				<b>Related RDT&amp;E PEs:</b>							
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Total, All Modifications</i>		7.960		2.029		0.000		0.000		0.000		25.871
<b>Support</b>												
2.1) Shore Pre-Installation Design	-	0.116	-	-	-	-	-	-	-	-	-	0.418
2.2) New Cost Element	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.116		0.000		0.000		0.000		0.000		0.418
<i>Procurement Cost (Procurement + Support)</i>		8.076		2.029		0.000		0.000		0.000		26.289
<i>Total Installation Cost</i>		1.036		1.435		0.359		0.000		0.000		5.352
<b>Total Cost (Procurement + Support + Installation)</b>		9.112		3.464		0.359		0.000		0.000		31.641

**Remarks:**

- <sup>(3)</sup>1. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems.
2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade systems to be procured vary by site unique differences.
3. Install costs vary due to different equipment mixes, site specific requirements, and varied, world-wide locations.
4. FY12 Inc 2.1 procurement following 3Q FY12 FRP decision, critical to achieving P-8A IOC objectives. Integration, pre-installation and checkout, packaging, and shipping require a 6 month lead time prior to installation.

<b>Manufacturer Information: Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1</b>							
Manufacturer Name: SSC LANT				Manufacturer Location: Charleston, SC			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 2			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jun 2011	Jun 2012	Dec 2012				
Delivery Dates	Aug 2011	Aug 2012	Feb 2013				

<b>Installation:</b> Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1		<b>Method of Implementation:</b> [none specified]				<b>Installation Name:</b> TacMobile C4I Systems Increment 2.1						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	2	0.854	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	8	1.668	0	0.000	8	1.668



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1 - 2

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TacMobile C4I Systems Increment 2.1
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	2	0.854	-	-	8	1.668	0	0.000	8	1.668

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.854
FY 2012	-	-	-	-	-	-	-	-	-	-	8	1.668
FY 2013	6	1.036	-	-	-	-	-	-	-	-	6	1.036
FY 2014	-	-	8	1.435	-	-	-	-	-	-	8	1.435
FY 2015	-	-	-	-	2	0.359	-	-	-	-	2	0.359
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	1.036	8	1.435	2	0.359	-	-	-	-	26	5.352

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	2	-	-	-	-	-	4	4	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	26
Out	-	-	-	-	2	-	-	-	-	-	4	4	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	26

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh - 3

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.243	0.000	0.000	1.870	3.603	5.473	1.919	4.605	1.574	2.602	0.378	20.794
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4.243	0.000	0.000	1.870	3.603	5.473	1.919	4.605	1.574	2.602	0.378	20.794
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4.243</b>	<b>0.000</b>	<b>0.000</b>	<b>1.870</b>	<b>3.603</b>	<b>5.473</b>	<b>1.919</b>	<b>4.605</b>	<b>1.574</b>	<b>2.602</b>	<b>0.378</b>	<b>20.794</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides overarching technical modernization and technical refresh to fielded existing TacMobile systems that have not routinely been refreshed or upgraded and are now due to shift in Fleet CONOPS required to be restored to full systems capability.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh - 3

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(4)</sup>	2	1.284	-	-	-	-	-	-	-	-	-	-
1.1.2) MTOC - NonOrganic	4	2.569	-	-	-	-	2	1.870	-	-	2	1.870
1.1.3) FY2012 OCO Funding (JMAST Tech Refresh) - NonOrganic	-	-	-	-	-	-	-	-	9	3.063	9	3.063
<i>Subtotal Recurring</i>		3.853		0.000		0.000		1.870		3.063		4.933
<i>Total, Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh</i>	6	3.853	-	-	-	-	2	1.870	9	3.063	11	4.933
<i>Total, All Modifications</i>		3.853		0.000		0.000		1.870		3.063		4.933
<b>Support</b>												
2.1)	-	0.000	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		3.853		0.000		0.000		1.870		3.063		4.933
<i>Total Installation Cost</i>		0.390		0.000		0.000		0.000		0.540		0.540
<b>Total Cost (Procurement + Support + Installation)</b>		4.243		0.000		0.000		1.870		3.603		5.473

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic <sup>(4)</sup>	-	-	2	4.247	-	-	-	-	-	-	4	5.531
1.1.2) MTOC - NonOrganic	2	1.124	-	-	3	1.574	3	2.237	-	-	14	9.374
1.1.3) FY2012 OCO Funding (JMAST Tech Refresh) - NonOrganic	-	-	-	-	-	-	-	-	-	-	9	3.063
<i>Subtotal Recurring</i>		1.124		4.247		1.574		2.237		0.000		17.968

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh - 3

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Tech Refresh				<b>Related RDT&amp;E PEs:</b>							
<b>Financial Plan</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M )</i>
<i>Total, Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh</i>	2	1.124	2	4.247	3	1.574	3	2.237	-	-	27	17.968
<i>Total, All Modifications</i>		1.124		4.247		1.574		2.237		0.000		17.968
<b>Support</b>												
2.1)	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		1.124		4.247		1.574		2.237		0.000		17.968
<i>Total Installation Cost</i>		0.795		0.358		0.000		0.365		0.378		2.826
<b>Total Cost (Procurement + Support + Installation)</b>		<b>1.919</b>		<b>4.605</b>		<b>1.574</b>		<b>2.602</b>		<b>0.378</b>		<b>20.794</b>

**Remarks:**

- (4)1. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems.
2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by Increment.
3. Install costs vary across fiscal years due to different equipment mixes, site specific requirements, and varied, world-wide locations.
4. Unit cost variances exist in Tech Refresh procurements in order to bring all TacMobile sites to a common configuration baseline.
5. FY13 & FY14 procure overarching MTOC KILO required Tech Refresh components. FY13 procurements consist of MTOC Command and Control and MTOC Enterprise, requiring 4 months integration lead time. FY14 requires no integration lead time. FY15 procures overarching TOC 5th Fleet required Tech Refresh components, and requires 2 months integration lead time. FY16 procures overarching MTOC EIGHT required Tech Refresh components, and requires 4 months integration lead time. FY17 procures overarching MTOC JULIET required Tech Refresh components, and requires 4 months integration lead time.

**Manufacturer Information: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh**

Manufacturer Name: SSC LANT	Manufacturer Location: Charleston, SC
Administrative Leadtime ( <i>in Months</i> ): 1	Production Leadtime ( <i>in Months</i> ): 9

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Nov 2012				
Delivery Dates			Aug 2013				

Manufacturer Name: SSC Lant	Manufacturer Location: Charleston, SC
Administrative Leadtime ( <i>in Months</i> ): 1	Production Leadtime ( <i>in Months</i> ): 3

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Dec 2012				
Delivery Dates			Mar 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh - 3

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TacMobile C4I Systems Tech Refresh
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	6	0.390	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	0	0.000	9	0.540	9	0.540
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>6</b>	<b>0.390</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>0.000</b>	<b>9</b>	<b>0.540</b>	<b>9</b>	<b>0.540</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	6	0.390
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	2	0.395	-	-	-	-	-	-	-	-	11	0.935
FY 2014	2	0.400	-	-	-	-	-	-	-	-	2	0.400
FY 2015	-	-	2	0.358	-	-	-	-	-	-	2	0.358
FY 2016	-	-	-	-	-	-	3	0.365	-	-	3	0.365
FY 2017	-	-	-	-	-	-	-	-	3	0.378	3	0.378
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>4</b>	<b>0.795</b>	<b>2</b>	<b>0.358</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>0.365</b>	<b>3</b>	<b>0.378</b>	<b>27</b>	<b>2.826</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2906 - Tactical/Mobile C4I Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh - 3

<b>Models of Systems Affected:</b> Various	<b>Type Modification:</b> Tech Refresh	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TacMobile C4I Systems Tech Refresh
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**Installation Schedule**

	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	6	-	-	-	-	-	-	-	-	-	-	5	4	-	4	-	-	-	-	-	2	-	-	-	-	-	3	-	-	3	27
Out	6	-	-	-	-	-	-	-	-	-	-	5	4	-	-	4	-	-	-	-	2	-	-	-	-	-	3	-	-	3	27

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0305208N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	124.875	16.543	11.201	11.887	-	11.887	17.470	24.548	33.664	34.614	0.000	274.802
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	124.875	16.543	11.201	11.887	-	11.887	17.470	24.548	33.664	34.614	0.000	274.802
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	124.875	16.543	11.201	11.887	-	11.887	17.470	24.548	33.664	34.614	0.000	274.802

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	1.507	0.402	0.178	-	0.178	0.311	0.446	0.055	0.011	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Cost-To-Complete (CTC) reflects current DCGS-N Increment 1 Program Life Cycle Cost Estimate (PLCCE) and does not include CTC for DCGS-N Increment 2, JSIPS-N, and ICOP which are included in the PE 0305208N, 2914 OPN budget.

The Distributed Common Ground System - Navy (DCGS-N) is the Navy's portion of the Under Secretary of Defense, Intelligence (USD (I)) DCGS-N Family of Systems (FoS). The Department of Defense (DoD) has defined a DCGS architecture that will be verifiably compatible and interoperable across all of the Services' Intelligence, Surveillance and Reconnaissance (ISR) systems and operations. DCGS accesses and ingests data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers. This collected data is shared across a Joint enterprise using the DCGS Integration Backbone (DIB) and in time, the Defense Intelligence Information Enterprise (DI2E) to enhance access and sharing of ISR information across Joint forces through the use of common enterprise standards and services. DCGS FoS supports Joint Task Force (JTF)-level and below combat operations with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and Overseas Contingency Operations (OCO). DCGS is a cooperative effort between the services, agencies, and DoD to provide systems capable of receiving, processing, exploiting, and disseminating data from airborne and national reconnaissance platforms. DCGS-N core components include the Analyst Work Station from the Global Command and Control System (GCCS) - Integrated Imagery and Intelligence (I3), Generic Area Limitation Environment (GALE) Lite Signal Intelligence (SIGINT), Common Geo-positioning Services (CGS), Image Product Library (IPL), Modernized Integrated Database (MIDB), Joint Concentrator Architecture (JCA) and Track Management Services.

The DCGS-N system represents the integration of: 1) The processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signals Intelligence (SIGINT); 2) Precision target ge positioning, mensuration, and imagery dissemination capabilities; 3) Selected national IMINT requirements and processing capabilities from the National Geospatial-Intelligence Agency (NGA); and 4) Sharing of Intelligence, Surveillance, Reconnaissance and Targeting and Command and Control information via DIB, DI2E, and Net-Centric Enterprise Services (NCES) standards with a wide range of customers (e.g., Global Command and Control System - Maritime (GCCS-M)), Joint Mission Planning System (JMPS), and many others).

The DCGS-N Enterprise Node (DEN), which incorporates DCGS DIB and DI2E standards, facilitates interoperability and data sharing among the DCGS FoS. DCGS-N will stay abreast of evolving requirements and ensure compliance with the DOD DCGS network architecture.

The Navy is focusing on establishing an ISR Enterprise way ahead that will emphasize a reach back strategy with a focus on providing intelligence products to support deployed ship and shore operations. The Navy will also initiate migration to a Service Oriented Architecture (SOA) that requires the development, integration, and testing of ISR Enterprise capability (between Maritime Operations Centers (MOC) to MOC to afloat), development and migration of ISR SOA applications, and development and integration to leverage the Consolidated Afloat Network and Enterprise Services (CANES) strategy for a Common Computing Environment (CCE). Additionally, DCGS-N will become the focal point for migration of Maritime Domain Awareness (MDA) fusion and analysis (MFAS) tool applications for the Navy.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0305208N
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The Navy's Integrated Imagery and Intelligence Applications (I3 Apps) are an integrated set of applications designed to support analyst workflows and tactical intelligence processing, providing a useful integration framework to ensure joint intelligence interoperability across the GCCS and DCGS enterprise. Development of I3 Apps includes end to end intelligence analysis applications that leverage the MIBD and integration with NGA-provided digital map and imagery systems. I3 imagery applications provide for archiving, viewing and measurement of still and video images. The Navy's I3 effort is part of the Military Intelligence Program (MIP), managed by the Secretary of Defense through the Under Secretary of Defense for Intelligence (USD(I)).

Joint Service Imagery Processing System - Navy (JSIPS-N) tech refresh and JSIPS-N Service Life Extension Program (JSLEP) upgrades provide shipboard digital imagery capability to receive, exploit, store, and disseminate imagery products based on national, theater, and tactical sensors. JSIPS-N service life extension is comprised of five subsystems: Joint Concentrator Architecture (JCA), Common Geopositioning Service (CGS), Image Product Library (IPL), Imagery Exploitation Support System (IESS), and the Sharp Display System (SDS). JSIPS-N is the Navy's legacy imagery processing system. JSLEP will overcome JSIPS-N End-of-Life hardware challenges, software obsolescence, and improve systems reliability until DCGS-N fully replaces JSIPS-N ashore and afloat.

DCGS-N Increment 2 will improve DCGS-N Increment 1 through the integration of multi-INT fusion and analytical capabilities; provide Maritime Domain Awareness (MDA) capabilities; integrate Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capabilities to improve the use and analysis of sensor and platform data; and share this information across commands, services, and agencies to promote shared situational awareness. DCGS-N Increment 2 consists of two releases. The first release provides an enhanced Navy ISR enterprise that converges and builds on the DCGS-N Increment 1 and Maritime Domain Awareness Enterprise Nodes; leverages the Defense Intelligence Information Enterprise (DI2E) framework; federates ISR and Tasking, Collection, Processing, Exploitation and Dissemination (TCPED) workflow and production improving throughput through automation; exploits new and evolving sensors; provides Multi-INT cross-queuing and provides modular tools accessible via a web browser. The second release enhances afloat ISR capabilities by providing a set of software centric tools hosted on the Consolidated Afloat Network and Enterprise Services (CANES) providing Multi-INT fusion and analysis, behavior prediction and intelligent knowledge management designed to operate in disconnected or denied comms environment.

Product Improvement includes DCGS-N training equipment, DCGS-N hardware and software technical refresh, ancillary equipment and upgrades to extend service life and provide the fleet imagery intelligence capability. Equipment support includes the assembly and integration associated with the product improvements or modification.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Distributed Common Ground System-Navy (DCGS-N) (See enclosed P-40A)	P40A				0.000			0.000			0.000			0.000			0.000			0.000
DCGS-N INCREMENT 1 Afloat - 1	P3A		-	-	25.947	-	-	12.360	-	-	8.795	-	-	3.322	-	-	0.000	-	-	3.322
DCGS-N INCREMENT 1 Ashore - 2	P3A		-	-	23.072	-	-	3.833	-	-	0.000	-	-	2.833	-	-	0.000	-	-	2.833
PRODUCT IMPROVEMENT Afloat - 3	P3A		-	-	50.740	-	-	0.000	-	-	0.287	-	-	5.319	-	-	0.000	-	-	5.319
PRODUCT IMPROVEMENT Ashore - 4	P3A		-	-	25.116	-	-	0.350	-	-	2.119	-	-	0.413	-	-	0.000	-	-	0.413
<b>Total Gross/Weapon System Cost</b>					<b>124.875</b>			<b>16.543</b>			<b>11.201</b>			<b>11.887</b>			<b>-</b>			<b>11.887</b>



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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0305208N
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Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Distributed Common Ground System-Navy (DCGS-N) (See enclosed P-40A)	P40A				0.000			0.000			0.000			0.000			0.000			0.000
DCGS-N INCREMENT 1 Afloat - 1	P3A		-	-	3.161	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	53.585
DCGS-N INCREMENT 1 Ashore - 2	P3A		-	-	5.668	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	35.406
PRODUCT IMPROVEMENT Afloat - 3	P3A		-	-	4.911	-	-	4.814	-	-	7.843	-	-	1.534	-	-	0.000	-	-	75.448
PRODUCT IMPROVEMENT Ashore - 4	P3A		-	-	3.730	-	-	4.260	-	-	1.865	-	-	1.865	-	-	0.000	-	-	39.718
<b>Total Gross/Weapon System Cost</b>					<b>17.470</b>			<b>24.548</b>			<b>33.664</b>			<b>34.614</b>			<b>0.000</b>			<b>274.802</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 DCGS-N Increment 1 Block 2 planned procurements in FY13 include (2) force-level , (1) ashore systems and (5) DCGS-N Increment 1 technical refreshes. These DCGS-N installations will replace the currently fielded legacy systems and leverage the Common Computing Environment (CCE) as applicable.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 10

**P-1 Line Item Nomenclature:**  
2914 - Distributed Common Ground System-Navy (DCGS-N)

**Aggregated Item Name:**  
Distributed Common Ground System-Navy (DCGS-N)

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) DCGS-N INCREMENT 2</b>																			
1.1) Procurement	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Production Support	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) DSA	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) Installation Afloat	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) Installation Ashore	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) DCGS-N INCREMENT 2</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) ICOP Afloat</b>																			
2.1) Procurement	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Production Support	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) ICOP Afloat</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Aggregated Item Name:</b> Distributed Common Ground System-Navy (DCGS-N)
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Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) DCGS-N INCREMENT 2</b>																			
1.1) Procurement	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Production Support	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) DSA	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) Installation Afloat	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) Installation Ashore	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) DCGS-N INCREMENT 2</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) ICOP Afloat</b>																			
2.1) Procurement	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Production Support	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) ICOP Afloat</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**  
[DCGS-N INCREMENT 2] DCGS-N Increment 2 will improve DCGS-N Increment 1 through the integration of multi-INT fusion and analytical capabilities; provide Maritime Domain Awareness (MDA) capabilities; integrate Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capabilities to improve the use and analysis of sensor and platform data; and share this information across commands, services, and agencies to promote shared situational awareness.

[ICOP Afloat] Intelligence Carry-On Program (ICOP) focuses on providing ISR exploitation and dissemination capability to unit-level Submarine, Surface, and Expeditionary platforms. ICOP provides a sustainable ISR capability fielded via Consolidated Afloat Network Enterprise Services (CANES) on an intelligence carry-on process. Facilitates sharing of imagery/video from Navy's Unmanned Systems and Maritime Patrol sensor assets to reachback sites Maritime Operations Center (MOC) or National Maritime Intelligence Center (NMIC) for multi-intelligence analysis. Unit level ISR capabilities support sharing of emerging organic/tactical platforms sensor information with the broader Fleet ISR enterprise.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DCGS-N INCREMENT 1 Afloat - 1

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0305208N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	25.947	12.360	8.795	3.322	0.000	3.322	3.161	0.000	0.000	0.000	0.000	53.585
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	25.947	12.360	8.795	3.322	0.000	3.322	3.161	0.000	0.000	0.000	0.000	53.585
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>25.947</b>	<b>12.360</b>	<b>8.795</b>	<b>3.322</b>	<b>0.000</b>	<b>3.322</b>	<b>3.161</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>53.585</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

DCGS-N brings together the proven imagery exploitation capabilities of Joint Services Imagery Processing System - Navy (JSIPS-N) Tactical Input Segment (TIS) and the precision mensuration capability of the Precision Targeting Workstation (PTW), merges them with the Multi-Intelligence capability developed by the Joint Fires Network (JFN) and disseminates this throughout the ashore and afloat nodes. It will support Joint Task Force (JTF) -level combat operations and support Joint Task Force Commanders and below with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and the Overseas Contingency Operations (OCO).

DCGS-N INC 1, BLK 1 has acquisition and budget authority FY09 - FY13; DCGS-N INC 1, BLK 2 requires a Limited Deployment Decision (LDD) in FY13.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10				<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DCGS-N INCREMENT 1 Afloat - 1			
<b>Models of Systems Affected:</b> Ship				<b>Type Modification:</b> New Model				<b>Related RDT&amp;E PEs:</b> 0305208N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
DCGS-N INCREMENT 1 Afloat													
B Kits													
Recurring													
2.1.1) Procurement Block 1 - NonOrganic <sup>(1)</sup>	8	14.883	5	7.555	2	3.306	-	-	-	-	-	-	
2.1.2) Procurement Block 2 - NonOrganic	-	-	-	-	-	-	2	1.300	-	-	2	1.300	
<i>Subtotal Recurring</i>		14.883		7.555		3.306		1.300		0.000		1.300	
<i>Total, DCGS-N INCREMENT 1 Afloat</i>	8	14.883	5	7.555	2	3.306	2	1.300	-	-	2	1.300	
<i>Total, All Modifications</i>		14.883		7.555		3.306		1.300		0.000		1.300	
<b>Support</b>													
3.1) Production Support	-	1.751	-	0.492	-	0.215	-	0.085	-	-	-	0.085	
3.2) DSA	-	1.953	-	0.413	-	0.274	-	0.137	-	-	-	0.137	
<i>Total Support Cost</i>		3.704		0.905		0.489		0.222		0.000		0.222	
<i>Procurement Cost (Procurement + Support)</i>		18.587		8.460		3.795		1.522		0.000		1.522	
<i>Total Installation Cost</i>		7.360		3.900		5.000		1.800		0.000		1.800	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>25.947</b>		<b>12.360</b>		<b>8.795</b>		<b>3.322</b>		<b>0.000</b>		<b>3.322</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
DCGS-N INCREMENT 1 Afloat													
B Kits													
Recurring													
2.1.1) Procurement Block 1 - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	15	25.744	
2.1.2) Procurement Block 2 - NonOrganic	1	1.722	-	-	-	-	-	-	-	-	3	3.022	
<i>Subtotal Recurring</i>		1.722		0.000		0.000		0.000		0.000		28.766	
<i>Total, DCGS-N INCREMENT 1 Afloat</i>	1	1.722	-	-	-	-	-	-	-	-	18	28.766	
<i>Total, All Modifications</i>		1.722		0.000		0.000		0.000		0.000		28.766	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DCGS-N INCREMENT 1 Afloat - 1

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0305208N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Support</b>												
3.1) Production Support	-	0.112	-	-	-	-	-	-	-	-	-	2.655
3.2) DSA	-	0.027	-	-	-	-	-	-	-	-	-	2.804
<b>Total Support Cost</b>		0.139		0.000		0.000		0.000		0.000		5.459
<b>Procurement Cost (Procurement + Support)</b>		1.861		0.000		0.000		0.000		0.000		34.225
<b>Total Installation Cost</b>		1.300		0.000		0.000		0.000		0.000		19.360
<b>Total Cost (Procurement + Support + Installation)</b>		3.161		0.000		0.000		0.000		0.000		53.585

**Remarks:**  
<sup>(1)</sup>DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others). In general, DCGS-N afloat platforms are shifting from 3 Rack to 1 Rack systems that leverage the CCE (cost savings already taken into account), while upcoming shore installations continue to be 3 Rack DCGS-N systems, and therefore, more expensive to procure and install.

<b>Manufacturer Information: DCGS-N INCREMENT 1 Afloat</b>							
Manufacturer Name: BAE				Manufacturer Location: SAN DIEGO, CA			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 5			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010	Dec 2011	Dec 2012				
Delivery Dates	May 2011	May 2012	May 2013				

<b>Installation:</b> DCGS-N INCREMENT 1 Afloat		<b>Method of Implementation:</b> Method				<b>Installation Name:</b> DCGS-N Increment 1 Afloat						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	8	7.360	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	3	3.900	2	2.600	-	-	-	-	-	-
FY 2012	-	-	-	-	2	2.400	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	2	1.800	0	0.000	2	1.800
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)
		<b>Modification Nomenclature</b> (Modification Title, Modification Number): DCGS-N INCREMENT 1 Afloat - 1

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0305208N
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<b>Installation:</b> DCGS-N INCREMENT 1 Afloat	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> DCGS-N Increment 1 Afloat
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>8</b>	<b>7.360</b>	<b>3</b>	<b>3.900</b>	<b>4</b>	<b>5.000</b>	<b>2</b>	<b>1.800</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>1.800</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	8	7.360
FY 2011	-	-	-	-	-	-	-	-	-	-	5	6.500
FY 2012	-	-	-	-	-	-	-	-	-	-	2	2.400
FY 2013	-	-	-	-	-	-	-	-	-	-	2	1.800
FY 2014	1	1.300	-	-	-	-	-	-	-	-	1	1.300
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>1.300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18</b>	<b>19.360</b>

Installation Schedule																																	
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In	8	-	-	3	-	-	-	-	1	3	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Out	8	-	-	3	-	-	-	-	1	3	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> DCGS-N INCREMENT 1 Ashore - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0305208N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	23.072	3.833	0.000	2.833	0.000	2.833	5.668	0.000	0.000	0.000	0.000	35.406
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	23.072	3.833	0.000	2.833	0.000	2.833	5.668	0.000	0.000	0.000	0.000	35.406
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>23.072</b>	<b>3.833</b>	<b>0.000</b>	<b>2.833</b>	<b>0.000</b>	<b>2.833</b>	<b>5.668</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>35.406</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

DCGS-N brings together the proven imagery exploitation capabilities of Joint Services Imagery Processing System - Navy (JSIPS-N) Tactical Input Segment (TIS) and the precision mensuration capability of the Precision Targeting Workstation (PTW), merges them with the Multi-Intelligence capability developed by the Joint Fires Network (JFN) and disseminates this throughout the ashore and afloat nodes. It will support Joint Task Force (JTF) -level combat operations and support Joint Task Force Commanders and below with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and the Overseas Contingency Operations (OCO).

DCGS-N INC 1, BLK 1 has acquisition and budget authority FY09 - FY13; DCGS-N INC 1, BLK 2 requires a Limited Deployment Decision (LDD) in FY13.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10				<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DCGS-N INCREMENT 1 Ashore - 2					
<b>Models of Systems Affected:</b> Shore			<b>Type Modification:</b> New Model					<b>Related RDT&amp;E PEs:</b> 0305208N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
DCGS-N INCREMENT 1 Ashore													
B Kits													
Recurring													
2.1.1) Procurement Block 2 - NonOrganic													
	-	-	-	-	-	-	1	1.722	-	-	1	1.722	
<i>Subtotal Recurring</i>													
		0.000		0.000		0.000		1.722		0.000		1.722	
NonRecurring													
2.2.2) Procurement Block 1 - NonOrganic <sup>(2)</sup>													
	9	18.958	1	1.722	-	-	-	-	-	-	-	-	
<i>Subtotal NonRecurring</i>													
		18.958		1.722		0.000		0.000		0.000		0.000	
<i>Total, DCGS-N INCREMENT 1 Ashore</i>													
	9	18.958	1	1.722	-	-	1	1.722	-	-	1	1.722	
<i>Total, All Modifications</i>													
		18.958		1.722		0.000		1.722		0.000		1.722	
<b>Support</b>													
3.1) Production Support													
	-	0.252	-	0.111	-	-	-	0.111	-	-	-	0.111	
<i>Total Support Cost</i>													
		0.252		0.111		0.000		0.111		0.000		0.111	
<i>Procurement Cost (Procurement + Support)</i>													
		19.210		1.833		0.000		1.833		0.000		1.833	
<i>Total Installation Cost</i>													
		3.862		2.000		0.000		1.000		0.000		1.000	
<b>Total Cost (Procurement + Support + Installation)</b>													
		23.072		3.833		0.000		2.833		0.000		2.833	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
DCGS-N INCREMENT 1 Ashore													
B Kits													
Recurring													
2.1.1) Procurement Block 2 - NonOrganic													
	2	3.444	-	-	-	-	-	-	-	-	3	5.166	
<i>Subtotal Recurring</i>													
		3.444		0.000		0.000		0.000		0.000		5.166	
NonRecurring													
2.2.2) Procurement Block 1 - NonOrganic <sup>(2)</sup>													
	-	-	-	-	-	-	-	-	-	-	10	20.680	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DCGS-N INCREMENT 1 Ashore - 2

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> New Model	<b>Related RDT&amp;E PEs:</b> 0305208N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.000		0.000		20.680
<i>Total, DCGS-N INCREMENT 1 Ashore</i>	2	3.444	-	-	-	-	-	-	-	-	13	25.846
<i>Total, All Modifications</i>		3.444		0.000		0.000		0.000		0.000		25.846
<b>Support</b>												
3.1) Production Support	-	0.224	-	-	-	-	-	-	-	-	-	0.698
<i>Total Support Cost</i>		0.224		0.000		0.000		0.000		0.000		0.698
<i>Procurement Cost (Procurement + Support)</i>		3.668		0.000		0.000		0.000		0.000		26.544
<i>Total Installation Cost</i>		2.000		0.000		0.000		0.000		0.000		8.862
<b>Total Cost (Procurement + Support + Installation)</b>		<b>5.668</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>35.406</b>

**Remarks:**

<sup>(2)</sup>DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others). In general, DCGS-N afloat platforms are shifting from 3 Rack to 1 Rack systems that leverage the CCE (cost savings already taken into account), while upcoming shore installations continue to be 3 Rack DCGS-N systems, and therefore, more expensive to procure and install.

**Manufacturer Information: DCGS-N INCREMENT 1 Ashore**

Manufacturer Name: BAE				Manufacturer Location: SAN DIEGO, CA			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 5			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010		Dec 2012				
Delivery Dates	May 2011		May 2013				

**Installation: DCGS-N INCREMENT 1 Ashore**      **Method of Implementation: Method**      **Installation Name: DCGS-N Increment 1 Ashore**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	8	3.862	1	1.000	-	-	-	-	-	-	-	-
FY 2011	-	-	1	1.000	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)
<b>Models of Systems Affected:</b> Shore		<b>Modification Nomenclature</b> (Modification Title, Modification Number): DCGS-N INCREMENT 1 Ashore - 2
<b>Type Modification:</b> New Model		<b>Related RDT&amp;E PEs:</b> 0305208N

<b>Installation:</b> DCGS-N INCREMENT 1 Ashore	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> DCGS-N Increment 1 Ashore
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2013	-	-	-	-	-	-	1	1.000	0	0.000	1	1.000
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>8</b>	<b>3.862</b>	<b>2</b>	<b>2.000</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1.000</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>1.000</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	9	4.862
FY 2011	-	-	-	-	-	-	-	-	-	-	1	1.000
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	1	1.000
FY 2014	2	2.000	-	-	-	-	-	-	-	-	2	2.000
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2</b>	<b>2.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>8.862</b>

Installation Schedule																																
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In	8	-	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Out	8	-	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	13

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PRODUCT IMPROVEMENT Afloat - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Tech Refresh/Upgrade	<b>Related RDT&amp;E PEs:</b> 0305208N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	50.740	0.000	0.287	5.319	0.000	5.319	4.911	4.814	7.843	1.534	0.000	75.448
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	50.740	0.000	0.287	5.319	0.000	5.319	4.911	4.814	7.843	1.534	0.000	75.448
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>50.740</b>	<b>0.000</b>	<b>0.287</b>	<b>5.319</b>	<b>0.000</b>	<b>5.319</b>	<b>4.911</b>	<b>4.814</b>	<b>7.843</b>	<b>1.534</b>	<b>0.000</b>	<b>75.448</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Tech Refresh/Upgrade integration procures Commerical Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and unsupported equipment for the DCGS-N and Joint Services Imagery Processing System - Navy (JSIPS-N) programs for the processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signal Intelligence (SIGINT); Precision target geopositioning, mensuration, and imagery dissemination capabilities; Selected national IMINT requirements and processing capabilities from the National Geospatial-Intelligence Agency (NGA); Sharing of Intelligence, Surveillance, Reconnaissance and Targeting (ISR&T) and Command and Control (C2) information via DCGS Integrated Backbone (DIB) and Net-Centric Enterprise Services (NCES) standards. Specifically, this funds tech refresh/upgrades/Engineering Change Proposals (ECPs) to its subsystems to provide access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers.

FY12 the program is doing mini - Tech Refreshes. Beginning in FY13 the fielding plan is a mix of mini and full system Tech Refresh configurations.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10				<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PRODUCT IMPROVEMENT Afloat - 3					
<b>Models of Systems Affected:</b> Ship			<b>Type Modification:</b> Tech Refresh/Upgrade				<b>Related RDT&amp;E PEs:</b> 0305208N						
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
PRODUCT IMPROVEMENT Afloat													
B Kits													
Recurring													
2.1.1) DCGS-N Tech Refresh/Upgrade - NonOrganic <sup>(3)</sup>	2	10.700	-	-	-	-	4	2.137	-	-	4	2.137	
2.1.2) JSIPS-N Tech Refresh/Upgrade - NonOrganic	11	12.738	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		23.438		0.000		0.000		2.137		0.000		2.137	
<i>Total, PRODUCT IMPROVEMENT Afloat</i>	13	23.438	-	-	-	-	4	2.137	-	-	4	2.137	
<i>Total, All Modifications</i>		23.438		0.000		0.000		2.137		0.000		2.137	
<b>Support</b>													
3.1) Equipment Support	-	4.774	-	-	-	-	-	-	-	-	-	-	
3.2) Production Support	-	2.168	-	-	-	-	-	0.139	-	-	-	0.139	
3.3) DSA	-	1.564	-	-	-	0.287	-	0.343	-	-	-	0.343	
<i>Total Support Cost</i>		8.506		0.000		0.287		0.482		0.000		0.482	
<i>Procurement Cost (Procurement + Support)</i>		31.944		0.000		0.287		2.619		0.000		2.619	
<i>Total Installation Cost</i>		18.796		0.000		0.000		2.700		0.000		2.700	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>50.740</b>		<b>0.000</b>		<b>0.287</b>		<b>5.319</b>		<b>0.000</b>		<b>5.319</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
PRODUCT IMPROVEMENT Afloat													
B Kits													
Recurring													
2.1.1) DCGS-N Tech Refresh/Upgrade - NonOrganic <sup>(3)</sup>	3	2.048	3	1.800	5	3.216	1	0.600	-	-	18	20.501	
2.1.2) JSIPS-N Tech Refresh/Upgrade - NonOrganic	-	-	-	-	-	-	-	-	-	-	11	12.738	
<i>Subtotal Recurring</i>		2.048		1.800		3.216		0.600		0.000		33.239	
<i>Total, PRODUCT IMPROVEMENT Afloat</i>	3	2.048	3	1.800	5	3.216	1	0.600	-	-	29	33.239	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PRODUCT IMPROVEMENT Afloat - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Tech Refresh/Upgrade	<b>Related RDT&amp;E PEs:</b> 0305208N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Total, All Modifications</i>		2.048		1.800		3.216		0.600		0.000		33.239
<b>Support</b>												
3.1) Equipment Support	-	-	-	-	-	-	-	-	-	-	-	4.774
3.2) Production Support	-	0.133	-	0.118	-	0.209	-	0.039	-	-	-	2.806
3.3) DSA	-	0.330	-	0.496	-	0.218	-	0.095	-	-	-	3.333
<i>Total Support Cost</i>		0.463		0.614		0.427		0.134		0.000		10.913
<i>Procurement Cost (Procurement + Support)</i>		2.511		2.414		3.643		0.734		0.000		44.152
<i>Total Installation Cost</i>		2.400		2.400		4.200		0.800		0.000		31.296
<b>Total Cost (Procurement + Support + Installation)</b>		4.911		4.814		7.843		1.534		0.000		75.448

**Remarks:**

<sup>(3)</sup>DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others). In general, DCGS-N afloat platforms are shifting from 3 Rack to 1 Rack systems that leverage the CCE (cost savings already taken into account), while upcoming shore installations continue to be 3 Rack DCGS-N systems, and therefore, more expensive to procure and install.

FY12 the program is doing mini - Tech Refreshes. Beginning in FY13 the fielding plan is a mix of mini and full system Tech Refresh configurations.

First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

**Manufacturer Information: PRODUCT IMPROVEMENT Afloat**

Manufacturer Name: BAE	Manufacturer Location: SAN DIEGO, CA
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 5

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Dec 2011	Dec 2012				
Delivery Dates		May 2012	May 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PRODUCT IMPROVEMENT Afloat - 3
<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Tech Refresh/Upgrade	<b>Related RDT&amp;E PEs:</b> 0305208N

<b>Installation:</b> PRODUCT IMPROVEMENT Afloat		<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Product Improvement Afloat DCGS-N/JSIPS						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	13	18.796	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	4	2.700	0	0.000	4	2.700
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	13	18.796	-	-	-	-	4	2.700	0	0.000	4	2.700

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	13	18.796
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	4	2.700
FY 2014	3	2.400	-	-	-	-	-	-	-	-	3	2.400
FY 2015	-	-	3	2.400	-	-	-	-	-	-	3	2.400
FY 2016	-	-	-	-	5	4.200	-	-	-	-	5	4.200
FY 2017	-	-	-	-	-	-	1	0.800	-	-	1	0.800
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	3	2.400	3	2.400	5	4.200	1	0.800	-	-	29	31.296

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> PRODUCT IMPROVEMENT Afloat - 3

<b>Models of Systems Affected:</b> Ship	<b>Type Modification:</b> Tech Refresh/Upgrade	<b>Related RDT&amp;E PEs:</b> 0305208N
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<b>Installation:</b> PRODUCT IMPROVEMENT Afloat	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Product Improvement Afloat DCGS-N/JSIPS
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Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	13	-	-	-	-	-	-	-	-	-	-	2	1	1	-	1	1	1	-	1	2	-	-	2	3	-	-	1	-	-	-	29
Out	13	-	-	-	-	-	-	-	-	-	-	2	1	1	-	1	1	1	-	1	2	-	-	2	3	-	-	1	-	-	-	29



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PRODUCT IMPROVEMENT Ashore - 4

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Tech Refresh/Upgrades	<b>Related RDT&amp;E PEs:</b> 0305208N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	25.116	0.350	2.119	0.413	0.000	0.413	3.730	4.260	1.865	1.865	0.000	39.718
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	25.116	0.350	2.119	0.413	0.000	0.413	3.730	4.260	1.865	1.865	0.000	39.718
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>25.116</b>	<b>0.350</b>	<b>2.119</b>	<b>0.413</b>	<b>0.000</b>	<b>0.413</b>	<b>3.730</b>	<b>4.260</b>	<b>1.865</b>	<b>1.865</b>	<b>0.000</b>	<b>39.718</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Tech Refresh/Upgrade integration procures Commerical Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and unsupported equipment for the DCGS-N and Joint Services Imagery Processing System - Navy (JSIPS-N) programs for the processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signal Intelligence (SIGINT); Precision target geopositioning, mensuration, and imagery dissemination capabilities; Selected national IMINT requirements and processing capabilities from the National Geospatial-Intelligence Agency (NGA); Sharing of Intelligence, Surveillance, Reconnaissance and Targeting (ISR&T) and Command and Control (C2) information via DCGS Integrated Backbone (DIB) and Net-Centric Enterprise Services (NCES) standards. Specifically, this funds tech refresh/upgrades/Engineering Change Proposals (ECPs) to its subsystems to provide access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers.

In FY11 and FY12 the program is doing mini - Tech Refreshes. Beginning in FY13 the fielding plan is a mix of mini and full system Tech Refresh configurations.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10				<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PRODUCT IMPROVEMENT Ashore - 4			
<b>Models of Systems Affected:</b> Shore				<b>Type Modification:</b> Tech Refresh/Upgrades				<b>Related RDT&amp;E PEs:</b> 0305208N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
PRODUCT IMPROVEMENT Ashore													
B Kits													
Recurring													
2.1.1) DCGS-N Tech Refresh/Upgrade - NonOrganic <sup>(4)</sup>													
	-	-	1	0.235	4	1.051	1	0.200	-	-	1	0.200	
2.1.2) JSIPS-N Tech Refresh/Upgrade - NonOrganic													
	12	20.832	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>													
		20.832		0.235		1.051		0.200		0.000		0.200	
<i>Total, PRODUCT IMPROVEMENT Ashore</i>													
	12	20.832	1	0.235	4	1.051	1	0.200	-	-	1	0.200	
<i>Total, All Modifications</i>													
		20.832		0.235		1.051		0.200		0.000		0.200	
<b>Support</b>													
3.1) Production Support													
	-	-	-	0.015	-	0.068	-	0.013	-	-	-	0.013	
<i>Total Support Cost</i>													
		0.000		0.015		0.068		0.013		0.000		0.013	
<i>Procurement Cost (Procurement + Support)</i>													
		20.832		0.250		1.119		0.213		0.000		0.213	
<i>Total Installation Cost</i>													
		4.284		0.100		1.000		0.200		0.000		0.200	
<b>Total Cost (Procurement + Support + Installation)</b>													
		25.116		0.350		2.119		0.413		0.000		0.413	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
PRODUCT IMPROVEMENT Ashore													
B Kits													
Recurring													
2.1.1) DCGS-N Tech Refresh/Upgrade - NonOrganic <sup>(4)</sup>													
	2	2.000	3	2.310	1	1.000	1	1.000	-	-	13	7.796	
2.1.2) JSIPS-N Tech Refresh/Upgrade - NonOrganic													
	-	-	-	-	-	-	-	-	-	-	12	20.832	
<i>Subtotal Recurring</i>													
		2.000		2.310		1.000		1.000		0.000		28.628	
<i>Total, PRODUCT IMPROVEMENT Ashore</i>													
	2	2.000	3	2.310	1	1.000	1	1.000	-	-	25	28.628	
<i>Total, All Modifications</i>													
		2.000		2.310		1.000		1.000		0.000		28.628	
<b>Support</b>													

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PRODUCT IMPROVEMENT Ashore - 4

<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Tech Refresh/Upgrades	<b>Related RDT&amp;E PEs:</b> 0305208N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
3.1) Production Support	-	0.130	-	0.150	-	0.065	-	0.065	-	-	-	0.506
<i>Total Support Cost</i>		0.130		0.150		0.065		0.065		0.000		0.506
<i>Procurement Cost (Procurement + Support)</i>		2.130		2.460		1.065		1.065		0.000		29.134
<i>Total Installation Cost</i>		1.600		1.800		0.800		0.800		0.000		10.584
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.730</b>		<b>4.260</b>		<b>1.865</b>		<b>1.865</b>		<b>0.000</b>		<b>39.718</b>

**Remarks:**

<sup>(4)</sup>DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others). In general, DCGS-N afloat platforms are shifting from 3 Rack to 1 Rack systems that leverage the CCE (cost savings already taken into account), while upcoming shore installations continue to be 3 Rack DCGS-N systems, and therefore, more expensive to procure and install.

In FY11 and FY12 the program is doing mini - Tech Refreshes. Beginning in FY13 the fielding plan is a mix of mini and full system Tech Refresh configurations.

**Manufacturer Information: PRODUCT IMPROVEMENT Ashore**

Manufacturer Name: BAE	Manufacturer Location: SAN DIEGO, CA
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 5

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Dec 2010	Dec 2011	Dec 2012				
Delivery Dates	May 2011	May 2012	May 2013				

**Installation: PRODUCT IMPROVEMENT Ashore**      **Method of Implementation: Method**      **Installation Name: Product Improvement Ashore DCGS-N/JSIPS-N**

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	12	4.284	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	1	0.100	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	4	1.000	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	1	0.200	0	0.000	1	0.200
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2914 - Distributed Common Ground System-Navy (DCGS-N)	<b>Modification Nomenclature</b> (Modification Title, Modification Number): PRODUCT IMPROVEMENT Ashore - 4
<b>Models of Systems Affected:</b> Shore	<b>Type Modification:</b> Tech Refresh/Upgrades	<b>Related RDT&amp;E PEs:</b> 0305208N

<b>Installation:</b> PRODUCT IMPROVEMENT Ashore		<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Product Improvement Ashore DCGS-N/JSIPS-N						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	12	4.284	1	0.100	4	1.000	1	0.200	0	0.000	1	0.200

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	12	4.284
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.100
FY 2012	-	-	-	-	-	-	-	-	-	-	4	1.000
FY 2013	-	-	-	-	-	-	-	-	-	-	1	0.200
FY 2014	2	1.600	-	-	-	-	-	-	-	-	2	1.600
FY 2015	-	-	3	1.800	-	-	-	-	-	-	3	1.800
FY 2016	-	-	-	-	1	0.800	-	-	-	-	1	0.800
FY 2017	-	-	-	-	-	-	1	0.800	-	-	1	0.800
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	2	1.600	3	1.800	1	0.800	1	0.800	-	-	25	10.584

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
In	12	-	-	-	-	1	-	2	2	-	-	-	1	-	-	1	1	-	-	2	1	-	-	-	1	-	-	1	-	-	25
Out	12	-	-	-	-	1	-	2	2	-	-	-	1	-	-	1	1	-	-	2	1	-	-	-	1	-	-	1	-	-	25

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0303138N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.177	10.208	96.088	341.398	-	341.398	359.282	337.648	391.487	385.299	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.177	10.208	96.088	341.398	-	341.398	359.282	337.648	391.487	385.299	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1.177	10.208	96.088	341.398	-	341.398	359.282	337.648	391.487	385.299	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	1.665	3.997	6.044	-	6.044	7.376	6.270	13.489	10.230	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Consolidated Afloat Networks & Enterprise Services (CANES) is a Department of Navy (DoN) Efficiency Initiative and is the Navy's only Program of Record to replace existing afloat networks and provide the necessary infrastructure for applications, systems, and services to operate in the tactical domain. CANES is the technical and infrastructure consolidation of existing, separately managed afloat networks currently under PE 0204163N (LI 3050) Ship Communications Automation, including Integrated Shipboard Network Systems (ISNS), Combined Enterprise Regional Information Exchange System - Maritime, Sensitive Compartmented Information (SCI) Networks, and Submarine Local Area Network. These legacy afloat network designs are End of Life starting in FY 2012 and CANES will replace these existing, unaffordable, and obsolete networks.

The fundamental goal of CANES is to bring Infrastructure and Platform as a Service (IaaS / PaaS), within which current and future iterations of Tasking, Collection, Processing, Exploitation and Dissemination computing and storage capabilities will reside. CANES will provide complete infrastructure, inclusive of hardware, software, processing, storage, and end user devices for Unclassified, Coalition, Secret and SCI for all basic network services (email, web, chat, collaboration) to a wide variety of Navy surface combatants, submarines, Maritime Operations Centers, and Aircraft. In addition, ~36 hosted applications and systems inclusive of Command and Control, Intelligence, Surveillance and Reconnaissance, Information Operations, Logistics and Business domains require the CANES infrastructure to operate in the tactical environment. Integrating these applications and systems is accomplished through Application Integration, the engineering process used to evaluate and validate compatibility between the CANES IaaS / PaaS and the Navy-validated applications, systems and services that will utilize the CANES infrastructure and services. Specific programs, such as Distributed Common Ground System - Navy, Global Command and Control System - Maritime, Naval Tactical Command Support System, and Undersea Warfare Decision Support System, are dependent on the CANES Common Computing Environment to field, host, and sustain their capability because they no longer provide their own hardware. CANES requires that ADNS field prior to or concurrently with CANES due to architectural reliance between the two programs.

CANES will field on a rolling four year hardware baseline and a two year software baseline. CANES is based on the overarching concept of reducing the number of afloat networks and providing enhanced efficiency through a single engineering focus on integrated technical solutions. This will allow for streamlined acquisition, contracting, and test events, and significant lifecycle efficiencies through consolidation of multiple current configuration management baselines, logistics, and training efforts into a unified support structure.

Automated Digital Network System (ADNS): ADNS provides routing, switching, baseband, configuration and monitoring capabilities for interconnecting naval, coalition and joint enclaves worldwide. ADNS utilizes Commercial Off-the-Shelf/ Government Off-the-Shelf (COTS/GOTS) equipment and network protocols as specified by the joint technical architecture. ADNS Increment I provides initial limited, ship to shore IP connectivity, separation of enclaves, reuse of unused enclave bandwidth, and ship to tactical shore IP connectivity. ADNS Increment II provides additional capabilities of load balancing, Radio Frequency (RF) restoral, initial Quality of Service (QoS) to include application prioritization, initial traffic management, and enhancements designed to maximize use of "effective" available bandwidth for surface, shore, and airborne platforms. ADNS Increment III will converge all Navy tactical voice, video, and data requirements into a converged IP data stream. This includes SCIP-IWF for secure telephony over IP, as well as Video Information Exchange System for secure video over IP. In addition, the Increment III architecture will incorporate an IPv4/IPv6 dual stack and a cipher text security architecture to align to the

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 10 : Other Shore Electronic Equipment

**P-1 Line Item Nomenclature:**  
2915 - CANES

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0303138N

Global Information Grid (GIG) in order to mesh Navy tactical surface, subsurface, and airborne platforms into a single IP environment with gateway functions to joint and coalition networks. ADNS Increment III will serve as the Navy tactical interface (Gateway) for IP networking with transformational satellite, Joint Tactical Radio System, High Assurance Internet Protocol Encrypter, and Advanced Extremely High Frequency.

ADNS provides a secure VTC capability that provides multipoint secure VTC between afloat commanders, CNO, fleet commanders, combatant commanders, and JTF components. It also supports NATO and Joint Worldwide Intelligence Communications System VTC. It supports global tactical command and control requirements to conduct distributed collaborative planning by senior commanders and decision makers. Secure VTC is the preferred method for commanders in the field and afloat to meet, collaborate, and plan all aspects of strike warfare. It provides the only means for afloat commanders to meet face-to-face without traveling, which reduces tactical decision cycle time, and eliminates the cost and risk of flying between ships.

Cost to Complete (CTC) values are exclusive to CANES. ADNS CTC is continuing.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
5F010/5F777 CANES - Afloat Non-MIP - 1	P3A		-	-	0.000	-	-	10.208	-	-	94.244	-	-	281.022	-	-	0.000	-	-	281.022
5F010/5F776 CANES - Ashore Non-MIP - 2	P3A		-	-	1.177	-	-	0.000	-	-	1.844	-	-	2.606	-	-	0.000	-	-	2.606
5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.400	-	-	0.000	-	-	0.400
5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	43.285	-	-	0.000	-	-	43.285
5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III - 5	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	14.085	-	-	0.000	-	-	14.085
<b>Total Gross/Weapon System Cost</b>					1.177			10.208			96.088			341.398			-			341.398
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
5F010/5F777 CANES - Afloat Non-MIP - 1	P3A		-	-	311.995	-	-	288.232	-	-	333.739	-	-	268.612	-	-	4,904.047	-	-	6,492.099
5F010/5F776 CANES - Ashore Non-MIP - 2	P3A		-	-	2.817	-	-	3.282	-	-	17.486	-	-	74.195	-	-	0.000	-	-	103.407

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 10 : Other Shore Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2915 - CANES

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0303138N

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II - 3	P3A		-	-	0.400	-	-	0.400	-	-	0.400	-	-	0.400	-	-	0.000	-	-	2.000
5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III - 4	P3A		-	-	40.227	-	-	43.282	-	-	37.378	-	-	39.632	-	-	-	-	-	-
5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III - 5	P3A		-	-	3.843	-	-	2.452	-	-	2.484	-	-	2.460	-	-	0.600	-	-	25.924
<b>Total Gross/Weapon System Cost</b>					<b>359.282</b>			<b>337.648</b>			<b>391.487</b>			<b>385.299</b>			-			-

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 In order to facilitate fielding synchronization of CANES and ADNS due to the architectural interdependencies between the programs the ADNS program transferred from Ship Communications Automation LI 3050 to CANES LI 2915 beginning in FY13.

FY 2013 - CANES funds are for procurement of (27) units, (1) Technical Training Equipment (TTE), integration, and associated costs for pre-installation design. In addition, the FY13 CANES investment will fund installations for (25) afloat units and (1) TTE unit.

The related RD TEN PEs are CANES Integration PE 0303138N and CANES-MIP PE 0303238N. It is important to note, procurement quantities across the FYDP are the same CANES end item product referenced in CANES LI 2925. Installation quantities represent sites receiving CANES as also referenced in LI 2925. The associated dollars in this exhibit represent the non-MIP portions of the CANES enclave.

FY 2013 - ADNS funds are for procurement of (21) Afloat units, (6) Ashore units, integration and associated costs for pre-installation design. In addition, the FY13 ADNS investment will fund installations for (29) Afloat units and (7) Ashore units.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> (Modification Title, Modification Number): 5F010/5F777 CANES - Afloat Non-MIP - 1

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprises Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	10.208	94.244	281.022	0.000	281.022	311.995	288.232	333.739	268.612	4,904.047	6,492.099
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	10.208	94.244	281.022	0.000	281.022	311.995	288.232	333.739	268.612	4,904.047	6,492.099
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>10.208</b>	<b>94.244</b>	<b>281.022</b>	<b>0.000</b>	<b>281.022</b>	<b>311.995</b>	<b>288.232</b>	<b>333.739</b>	<b>268.612</b>	<b>4,904.047</b>	<b>6,492.099</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The consolidation of existing Afloat Network programs of record designed to provide an agile, responsive Afloat Core Services (ACS) enabled Common Computing Environment (CCE) within and upon which application developers will host Command and Control, Warfare, Intelligence, Logistics, and business and education applications and services. In addition, migration of Non-Classified Enclave (NCE) capabilities into the CANES baseline.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> (Modification Title, Modification Number): 5F010/5F777 CANES - Afloat Non-MIP - 1

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprises Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
5F010/5F777 CANES - Afloat Non-MIP												
B Kits												
Recurring												
1.1.1) CANES - Afloat 5F010/5F777 (Non-MIP) - NonOrganic <sup>(1)</sup>	-	-	-	5.512	13	59.508	27	147.126	-	-	27	147.126
<i>Subtotal Recurring</i>		0.000		5.512		59.508		147.126		0.000		147.126
<i>Total, 5F010/5F777 CANES - Afloat Non-MIP</i>	-	-	-	5.512	13	59.508	27	147.126	-	-	27	147.126
<i>Total, All Modifications</i>		0.000		5.512		59.508		147.126		0.000		147.126
<b>Support</b>												
2.1) CANES - Afloat Production Support (Non-MIP)	-	-	-	-	-	5.885	-	7.744	-	-	-	7.744
2.2) CANES - Afloat Design Service Agent (Non-MIP)	-	-	-	4.696	-	9.715	-	20.320	-	-	-	20.320
<i>Total Support Cost</i>		0.000		4.696		15.600		28.064		0.000		28.064
<i>Procurement Cost (Procurement + Support)</i>		0.000		10.208		75.108		175.190		0.000		175.190
<i>Total Installation Cost</i>		0.000		0.000		19.136		105.832		0.000		105.832
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>10.208</b>		<b>94.244</b>		<b>281.022</b>		<b>0.000</b>		<b>281.022</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
5F010/5F777 CANES - Afloat Non-MIP												
B Kits												
Recurring												
1.1.1) CANES - Afloat 5F010/5F777 (Non-MIP) - NonOrganic <sup>(1)</sup>	28	159.078	30	155.047	34	185.900	16	143.804	23	2,637.628	171	3,493.603
<i>Subtotal Recurring</i>		159.078		155.047		185.900		143.804		2,637.628		3,493.603
<i>Total, 5F010/5F777 CANES - Afloat Non-MIP</i>	28	159.078	30	155.047	34	185.900	16	143.804	23	2,637.628	171	3,493.603
<i>Total, All Modifications</i>		159.078		155.047		185.900		143.804		2,637.628		3,493.603

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F010/5F777 CANES - Afloat Non-MIP - 1

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprises Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Support</b>												
2.1) CANES - Afloat Production Support (Non-MIP)	-	8.373	-	8.160	-	9.784	-	7.569	-	156.995	-	204.510
2.2) CANES - Afloat Design Service Agent (Non-MIP)	-	18.621	-	14.872	-	14.185	-	17.532	-	307.958	-	407.899
<b>Total Support Cost</b>		<b>26.994</b>		<b>23.032</b>		<b>23.969</b>		<b>25.101</b>		<b>464.953</b>		<b>612.409</b>
<b>Procurement Cost (Procurement + Support)</b>		<b>186.072</b>		<b>178.079</b>		<b>209.869</b>		<b>168.905</b>		<b>3,102.581</b>		<b>4,106.012</b>
<b>Total Installation Cost</b>		<b>125.923</b>		<b>110.153</b>		<b>123.870</b>		<b>99.707</b>		<b>1,801.466</b>		<b>2,386.087</b>
<b>Total Cost (Procurement + Support + Installation)</b>		<b>311.995</b>		<b>288.232</b>		<b>333.739</b>		<b>268.612</b>		<b>4,904.047</b>		<b>6,492.099</b>

**Remarks:**

- (1) Production Lead time is 8 months for First Articles (DDG, CVN, submarines, etc). First articles are defined as necessary production design drawings, environmental (shock and vibration) qualifications, logistics and training artifacts as well as a certified tested baseline provided to the government for each platform first of its kind. All following articles of the same variant require a Production Lead time of 5 months.
- FY 2012 delivery reflects the first DDG units, arriving at an accelerated schedule due to efforts accomplished on the EMD contract.
- First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.
- FY 2011 funds required for initial integrated logistics support, DSA and application integration efforts required to field the CANES capability and produce a usable end item.
- Average unit cost fluctuations are attributable to variances in system configuration requirements among platforms. A DDG/CG/LSD (unit level platforms) has fewer users and runs fewer applications than a LHD/CVN (force level platforms). CVNs and large deck Amphibious ships are larger in scale compared to the unit level ships and represent a super set of users, applications and connected systems. To support the current fielding plan, in FY12 CANES is procuring: DDG (11), LHD (1), CVN (1). In FY13 CANES is procuring: DDG (18), CG (3), LHD (2), LSD (2) CVN (2). Average cost for a unit level is \$5.0M and force level average cost is \$10.9M. These costs are procurement only and do not reflect installation costs.
- Installation cost fluctuations are attributed to and dependent on class, level of the platform, variant of predecessor system the hull currently has installed (ISNS Alpha/Charlie/Delta/Legacy), and geographic location of the installation. As an example of variant differences, if a CVN has an ISNS Delta variant installed, a CANES installation is estimated to be \$4.4M. If that same CVN had a legacy ATM LAN the CANES installation is estimated to be \$12.7M. The legacy LAN installation has the additional cost of rewiring all the drops, while the newer variants of ISNS allow for reuse of drops during the CANES installation.
- Afloat and ashore quantities represent the number of ship and shore sites receiving CANES which align to Chief of Naval Operations (CNO) availabilities.

<b>Manufacturer Information: 5F010/5F777 CANES - Afloat Non-MIP</b>							
Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 5			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates		Feb 2012	Nov 2012				
Delivery Dates		Jun 2012	Apr 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> (Modification Title, Modification Number): 5F010/5F777 CANES - Afloat Non-MIP - 1
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprises Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N

<b>Installation:</b> 5F010/5F777 CANES - Afloat Non-MIP		<b>Method of Implementation:</b> Alteration Installation Team (AIT)				<b>Installation Name:</b> CANES - Afloat 5F010/5F777 (Non-MIP)						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	4	19.136	9	25.449	0	0.000	9	25.449
FY 2013	-	-	-	-	-	-	16	80.383	0	0.000	16	80.383
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	4	19.136	25	105.832	0	0.000	25	105.832

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	13	44.585
FY 2013	11	40.880	-	-	-	-	-	-	-	-	27	121.263
FY 2014	20	85.043	8	28.318	-	-	-	-	-	-	28	113.361
FY 2015	-	-	22	81.835	8	26.923	-	-	-	-	30	108.758
FY 2016	-	-	-	-	29	96.947	5	51.010	-	-	34	147.957
FY 2017	-	-	-	-	-	-	8	48.697	8	21.525	16	70.222
To Complete	-	-	-	-	-	-	-	-	23	1,779.941	23	1,779.941
<b>Total</b>	31	125.923	30	110.153	37	123.870	13	99.707	31	1,801.466	171	2,386.087

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F010/5F777 CANES - Afloat Non-MIP - 1
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprises Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N

<b>Installation:</b> 5F010/5F777 CANES - Afloat Non-MIP	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> CANES - Afloat 5F010/5F777 (Non-MIP)
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Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	2	2	9	7	5	4	11	8	6	8	6	13	4	9	4	10	10	9	5	4	3	32	171
Out	-	-	-	-	-	-	-	-	-	2	1	10	5	5	5	11	7	7	7	7	12	6	9	4	8	13	9	3	6	34	171

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 5F010/5F776 CANES - Ashore Non-MIP - 2

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.177	0.000	1.844	2.606	0.000	2.606	2.817	3.282	17.486	74.195	0.000	103.407
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.177	0.000	1.844	2.606	0.000	2.606	2.817	3.282	17.486	74.195	0.000	103.407
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1.177</b>	<b>0.000</b>	<b>1.844</b>	<b>2.606</b>	<b>0.000</b>	<b>2.606</b>	<b>2.817</b>	<b>3.282</b>	<b>17.486</b>	<b>74.195</b>	<b>0.000</b>	<b>103.407</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The consolidation of existing Afloat Network programs of record designed to provide an agile, responsive Afloat Core Services (ACS) enabled Common Computing Environment (CCE) within and upon which application developers will host Command and Control, Warfare, Intelligence, Logistics, and business and education applications and services for Maritime Operation Command (MOC) and Technical Training Equipment (TTE).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F010/5F776 CANES - Ashore Non-MIP - 2

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
5F010/5F776 CANES - Ashore Non-MIP												
B Kits												
Recurring												
1.1.1) CANES - Ashore 5F010/5F776 (Non-MIP) - NonOrganic <sup>(2)</sup>	-	1.177	-	-	1	0.817	1	1.137	-	-	1	1.137
<i>Subtotal Recurring</i>		1.177		0.000		0.817		1.137		0.000		1.137
<i>Total, 5F010/5F776 CANES - Ashore Non-MIP</i>	-	1.177	-	-	1	0.817	1	1.137	-	-	1	1.137
<i>Total, All Modifications</i>		1.177		0.000		0.817		1.137		0.000		1.137
<b>Support</b>												
2.1) CANES - Ashore Production Support (Non-MIP)	-	-	-	-	-	0.081	-	0.060	-	-	-	0.060
2.2) CANES - Ashore Design Services Agent (Non-MIP)	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.081		0.060		0.000		0.060
<i>Procurement Cost (Procurement + Support)</i>		1.177		0.000		0.898		1.197		0.000		1.197
<i>Total Installation Cost</i>		0.000		0.000		0.946		1.409		0.000		1.409
<b>Total Cost (Procurement + Support + Installation)</b>		1.177		0.000		1.844		2.606		0.000		2.606

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
5F010/5F776 CANES - Ashore Non-MIP												
B Kits												
Recurring												
1.1.1) CANES - Ashore 5F010/5F776 (Non-MIP) - NonOrganic <sup>(2)</sup>	1	1.242	1	1.214	1	9.991	5	50.127	-	-	10	65.705
<i>Subtotal Recurring</i>		1.242		1.214		9.991		50.127		0.000		65.705
<i>Total, 5F010/5F776 CANES - Ashore Non-MIP</i>	1	1.242	1	1.214	1	9.991	5	50.127	-	-	10	65.705
<i>Total, All Modifications</i>		1.242		1.214		9.991		50.127		0.000		65.705

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F010/5F776 CANES - Ashore Non-MIP - 2

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Support</b>												
2.1) CANES - Ashore Production Support (Non-MIP)	-	0.065	-	0.064	-	0.526	-	2.638	-	-	-	3.434
2.2) CANES - Ashore Design Services Agent (Non-MIP)	-	-	-	0.499	-	2.909	-	0.912	-	-	-	4.320
<b>Total Support Cost</b>		<b>0.065</b>		<b>0.563</b>		<b>3.435</b>		<b>3.550</b>		<b>0.000</b>		<b>7.754</b>
<b>Procurement Cost (Procurement + Support)</b>		<b>1.307</b>		<b>1.777</b>		<b>13.426</b>		<b>53.677</b>		<b>0.000</b>		<b>73.459</b>
<b>Total Installation Cost</b>		<b>1.510</b>		<b>1.505</b>		<b>4.060</b>		<b>20.518</b>		<b>0.000</b>		<b>29.948</b>
<b>Total Cost (Procurement + Support + Installation)</b>		<b>2.817</b>		<b>3.282</b>		<b>17.486</b>		<b>74.195</b>		<b>0.000</b>		<b>103.407</b>

**Remarks:**  
<sup>(2)</sup>-Ashore procurement quantities are detailed as follows: Technical Training Equipment (TTE) - FY12 (1), FY13 (1), FY14 (1), FY15 (1), FY16 (0), FY17 (0); Maritime Operation Command (MOC) - FY12 (0), FY13 (0), FY14 (0), FY15 (0), FY16 (1), FY17 (5).  
 -Ashore production lead times (PLT) require one month less than Afloat PLT due to the long lead time afloat production quality racks and minimized shock and vibration requirements for shore facilities.  
 -A MOC is a fully operational system configuration. A TTE configuration is a subset of a MOC configuration. This scale difference accounts for the fluctuation in per unit costs across fiscal years commensurate with the procurement quantities outlined in note 1.  
 -Fluctuations in DSA costs are the result of TTE having no associated DSA requirements. MOC units do have associated DSA costs reflected which start in FY15 and proceed into the following years.  
 -Afloat and ashore quantities represent the number of ship and shore sites receiving CANES which align to Chief of Naval Operations (CNO) availabilities.

**Manufacturer Information: 5F010/5F776 CANES - Ashore Non-MIP**

Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 4			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Nov 2012				
Delivery Dates		Jun 2012	Mar 2013				

**Installation: 5F010/5F776 CANES - Ashore Non-MIP**      **Method of Implementation:** Alteration Installation Team (AIT)      **Installation Name:** CANES - Ashore 5F010/5F776 (Non-MIP)

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> (Modification Title, Modification Number): 5F010/5F776 CANES - Ashore Non-MIP - 2
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N

<b>Installation:</b> 5F010/5F776 CANES - Ashore Non-MIP	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> CANES - Ashore 5F010/5F776 (Non-MIP)										
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2012	-	-	-	-	1	0.946	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	1	1.409	0	0.000	1	1.409
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	1	0.946	1	1.409	0	0.000	1	1.409

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.946
FY 2013	-	-	-	-	-	-	-	-	-	-	1	1.409
FY 2014	1	1.510	-	-	-	-	-	-	-	-	1	1.510
FY 2015	-	-	1	1.505	-	-	-	-	-	-	1	1.505
FY 2016	-	-	-	-	1	4.060	-	-	-	-	1	4.060
FY 2017	-	-	-	-	-	-	5	20.518	-	-	5	20.518
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	1.510	1	1.505	1	4.060	5	20.518	-	-	10	29.948



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F010/5F776 CANES - Ashore Non-MIP - 2
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) Non-MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N

<b>Installation:</b> 5F010/5F776 CANES - Ashore Non-MIP	<b>Method of Implementation:</b> Alteration Installation Team (AIT)	<b>Installation Name:</b> CANES - Ashore 5F010/5F776 (Non-MIP)
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Installation Schedule																																	
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	4	-	-	10
Out	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	4	-	-	10

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> (Modification Title, Modification Number): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II - 3

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	0.400	0.000	0.400	0.400	0.400	0.400	0.400	0.000	2.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	0.400	0.000	0.400	0.400	0.400	0.400	0.400	0.000	2.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.400</b>	<b>0.000</b>	<b>0.400</b>	<b>0.400</b>	<b>0.400</b>	<b>0.400</b>	<b>0.400</b>	<b>0.000</b>	<b>2.000</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS allows services and applications to interconnect to the Defense Information Systems Network (DISN) ashore via multiple Radio Frequency (RF) resources and pier connectivity.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II - 3

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II												
B Kits												
Recurring												
1.1.2) ADNS INC II - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	4	0.200	-	-	4	0.200
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.200		0.000		0.200
<i>Total, 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I &amp; II</i>	-	-	-	-	-	-	4	0.200	-	-	4	0.200
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.200		0.000		0.200
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	0.000	-	-	-	-	-	-	-	-	-	-
2.2) PRE-INSTALLATION DESIGN	-	0.000	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.200		0.000		0.200
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.200		0.000		0.200
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.400</b>		<b>0.000</b>		<b>0.400</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II												
B Kits												
Recurring												
1.1.2) ADNS INC II - NonOrganic <sup>(3)</sup>	4	0.200	4	0.200	4	0.200	4	0.200	-	-	20	1.000

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II - 3

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Subtotal Recurring</i>		0.200		0.200		0.200		0.200		0.000		1.000
<i>Total, 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I &amp; II</i>	4	0.200	4	0.200	4	0.200	4	0.200	-	-	20	1.000
<i>Total, All Modifications</i>		0.200		0.200		0.200		0.200		0.000		1.000
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	-	-	-	-	-	-	-	-	-	-	-
2.2) PRE-INSTALLATION DESIGN	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.200		0.200		0.200		0.200		0.000		1.000
<i>Total Installation Cost</i>		0.200		0.200		0.200		0.200		0.000		1.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.400</b>		<b>0.400</b>		<b>0.400</b>		<b>0.400</b>		<b>0.000</b>		<b>2.000</b>

**Remarks:**

- (3)1/ Budget prior to FY13 (PY-FY12) is shown under LI 3050.
- 2/ Legacy increments will remain in the fleet throughout the FYDP, therefore tech refresh is required to field hardware to address End of Life issues.

**Manufacturer Information: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II**

Manufacturer Name: SAIC				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 4			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Nov 2012				
Delivery Dates			Mar 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> (Modification Title, Modification Number): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II - 3
<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N

<b>Installation:</b> 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> ADNS INC II
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	4	0.200	0	0.000	4	0.200
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	4	0.200	0	0.000	4	0.200

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	4	0.200
FY 2014	4	0.200	-	-	-	-	-	-	-	-	4	0.200
FY 2015	-	-	4	0.200	-	-	-	-	-	-	4	0.200
FY 2016	-	-	-	-	4	0.200	-	-	-	-	4	0.200
FY 2017	-	-	-	-	-	-	4	0.200	-	-	4	0.200
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	4	0.200	4	0.200	4	0.200	4	0.200	-	-	20	1.000

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II - 3
<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N

<b>Installation:</b> 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> ADNS INC II
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	2	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	20
Out	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	3	1	-	-	3	1	-	-	3	1	-	-	3	1	-	20

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III - 4

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	43.285	0.000	43.285	40.227	43.282	37.378	39.632	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	43.285	0.000	43.285	40.227	43.282	37.378	39.632	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>43.285</b>	<b>0.000</b>	<b>43.285</b>	<b>40.227</b>	<b>43.282</b>	<b>37.378</b>	<b>39.632</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS provides the only Quality and Class of Service (QoS/CoS) routing for Multi-Service Voice, Video, and Data domains across available Radio Frequency (RF) paths.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III - 4

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III												
B Kits												
Recurring												
1.1.1) ADNS INC III - NonOrganic <sup>(4)</sup>	-	-	-	-	18	0.000	21	20.275	-	-	21	20.275
<i>Subtotal Recurring</i>		0.000		0.000		0.000		20.275		0.000		20.275
<i>Total, 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III</i>	-	-	-	-	18	0.000	21	20.275	-	-	21	20.275
<i>Total, All Modifications</i>		0.000		0.000		0.000		20.275		0.000		20.275
<b>Support</b>												
2.1) ADNS - PRODUCTION SUPPORT	-	-	-	-	-	-	-	1.045	-	-	-	1.045
2.2) ADNS - DSA	-	-	-	-	-	-	-	5.364	-	-	-	5.364
<i>Total Support Cost</i>		0.000		0.000		0.000		6.409		0.000		6.409
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		26.684		0.000		26.684
<i>Total Installation Cost</i>		0.000		0.000		0.000		16.601		0.000		16.601
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>43.285</b>		<b>0.000</b>		<b>43.285</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III												
B Kits												
Recurring												
1.1.1) ADNS INC III - NonOrganic <sup>(4)</sup>	24	25.570	23	24.497	19	20.647	23	24.021	Continuing	Continuing	Continuing	Continuing
<i>Subtotal Recurring</i>		25.570		24.497		20.647		24.021		0.000		0.000
<i>Total, 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III</i>	24	25.570	23	24.497	19	20.647	23	24.021	Continuing	Continuing	Continuing	Continuing



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III - 4

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Total, All Modifications</i>		25.570		24.497		20.647		24.021		0.000		0.000
<b>Support</b>												
2.1) ADNS - PRODUCTION SUPPORT	-	1.297	-	1.392	-	1.157	-	1.407	-	-	-	6.298
2.2) ADNS - DSA	-	3.588	-	3.856	-	3.510	-	3.029	-	-	-	19.347
<i>Total Support Cost</i>		4.885		5.248		4.667		4.436		0.000		25.645
<i>Procurement Cost (Procurement + Support)</i>		30.455		29.745		25.314		28.457		0.000		25.645
<i>Total Installation Cost</i>		9.772		13.537		12.064		11.175		0.000		63.149
<b>Total Cost (Procurement + Support + Installation)</b>		40.227		43.282		37.378		39.632		0.000		88.794

**Remarks:**

(4)1/ Budget prior to FY13 (PY-FY12) is shown in LI 3050.

2/ Average unit cost fluctuations for procurement and installation are due to varying system configurations required for surface and submarine platforms. ADNS INC III Afloat range (P) \$.5M - \$1.4M; (I) \$.4M - \$1.0M.

3/ INC III units require an additional 4 months after delivery for required integration, assembly and testing prior to installation start. Installs do not begin until 11 months after contact award (7 months PLT + 4 months integration).

4/ First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

5/ The procurements associated with qty 18 FY12 equipment installation in FY13 are reflected under LI 3050.

**Manufacturer Information: 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III**

Manufacturer Name: Unknown      Manufacturer Location: TBD

Administrative Leadtime (in Months): 1      Production Leadtime (in Months): 7

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Nov 2012				
Delivery Dates			Jun 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III - 4
<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N

<b>Installation:</b> 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> ADNS INC III
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	18	11.090	0	0.000	18	11.090
FY 2013	-	-	-	-	-	-	11	5.511	0	0.000	11	5.511
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	29	16.601	0	0.000	29	16.601

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	18	11.090
FY 2013	10	5.221	-	-	-	-	-	-	-	-	21	10.732
FY 2014	8	4.551	16	9.348	-	-	-	-	-	-	24	13.899
FY 2015	-	-	10	4.189	13	8.155	-	-	-	-	23	12.344
FY 2016	-	-	-	-	10	3.909	9	5.275	-	-	19	9.184
FY 2017	-	-	-	-	-	-	12	5.900	-	-	12	5.900
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	18	9.772	26	13.537	23	12.064	21	11.175	-	-	117	63.149

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III - 4

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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<b>Installation:</b> 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> ADNS INC III
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	12	5	1	11	5	4	1	8	9	6	1	10	7	5	1	10	5	3	1	23	128
Out	-	-	-	-	-	-	-	-	-	-	12	5	1	11	5	4	1	8	9	6	1	10	7	5	1	10	5	3	1	23	128

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III - 5

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	14.085	0.000	14.085	3.843	2.452	2.484	2.460	0.600	25.924
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	14.085	0.000	14.085	3.843	2.452	2.484	2.460	0.600	25.924
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>14.085</b>	<b>0.000</b>	<b>14.085</b>	<b>3.843</b>	<b>2.452</b>	<b>2.484</b>	<b>2.460</b>	<b>0.600</b>	<b>25.924</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS allows services and applications to interconnect to the Defense Information Systems Network (DISN) ashore via multiple Radio Frequency (RF) resources and pier connectivity.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III - 5

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III												
B Kits												
Recurring												
1.1.1) ADNS INC III - NonOrganic <sup>(5)</sup>	-	-	-	-	3	0.000	2	8.883	-	-	2	8.883
<i>Subtotal Recurring</i>		0.000		0.000		0.000		8.883		0.000		8.883
<i>Total, 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III</i>	-	-	-	-	3	0.000	2	8.883	-	-	2	8.883
<i>Total, All Modifications</i>		0.000		0.000		0.000		8.883		0.000		8.883
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	-	-	-	-	-	-	0.430	-	-	-	0.430
<i>Total Support Cost</i>		0.000		0.000		0.000		0.430		0.000		0.430
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		9.313		0.000		9.313
<i>Total Installation Cost</i>		0.000		0.000		0.000		4.772		0.000		4.772
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>14.085</b>		<b>0.000</b>		<b>14.085</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III												
B Kits												
Recurring												
1.1.1) ADNS INC III - NonOrganic <sup>(5)</sup>	2	1.794	2	1.741	2	1.771	2	1.750	-	-	13	15.939
<i>Subtotal Recurring</i>		1.794		1.741		1.771		1.750		0.000		15.939

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III - 5

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
Total, 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III	2	1.794	2	1.741	2	1.771	2	1.750	-	-	13	15.939
Total, All Modifications		1.794		1.741		1.771		1.750	0.000			15.939
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	0.115	-	0.111	-	0.113	-	0.110	-	-	-	0.879
Total Support Cost		0.115		0.111		0.113		0.110	0.000			0.879
Procurement Cost (Procurement + Support)		1.909		1.852		1.884		1.860	0.000			16.818
Total Installation Cost		1.934		0.600		0.600		0.600	0.600			9.106
<b>Total Cost (Procurement + Support + Installation)</b>		<b>3.843</b>		<b>2.452</b>		<b>2.484</b>		<b>2.460</b>	<b>0.600</b>			<b>25.924</b>

**Remarks:**  
 (5) 1/ Budget prior to FY13 (PY-FY12) is shown in ADNS P-3A for BLI3050.  
 2/ FY13 - FY17 quantities represent ADNS NOCS, SUB BCA, test and training sites.  
 3/ In FY 13, the 2 shore sites are COMSUBGRP 7 & 8 (approx. \$4.4M ea.).  
 4/ INC III ashore units require an additional 4 months after delivery for required integration, assembly, testing and shipping that must occur prior to installation start.  
 5/ Installs do not begin until 11 months after procurement contract award (7 months PLT + 4 months integration).  
 6/ Installation unit cost varies across shore sites depending on configuration of the associated procurements. The increase in installation unit cost in FY13 stems from the 200-ship configuration required at the NCTAMS sites in FY13. After FY13, only partial equipment upgrades and refreshes are planned for INC III shore sites, resulting in lower installation costs at those sites.  
 7/ The procurements associated with qty 3 FY12 equipment installation in FY13 are reflected under LI 3050,

<b>Manufacturer Information: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III</b>							
Manufacturer Name: Unknown				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 7			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Feb 2013				
Delivery Dates			Sep 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> (Modification Title, Modification Number): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III - 5
<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N

<b>Installation:</b> 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> ADNS INC III
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	3	4.772	0	0.000	3	4.772
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	3	4.772	0	0.000	3	4.772

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	3	4.772
FY 2013	2	1.934	-	-	-	-	-	-	-	-	2	1.934
FY 2014	-	-	2	0.600	-	-	-	-	-	-	2	0.600
FY 2015	-	-	-	-	2	0.600	-	-	-	-	2	0.600
FY 2016	-	-	-	-	-	-	2	0.600	-	-	2	0.600
FY 2017	-	-	-	-	-	-	-	-	2	0.600	2	0.600
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	2	1.934	2	0.600	2	0.600	2	0.600	2	0.600	13	9.106

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2915 - CANES	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III - 5

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303138N
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<b>Installation:</b> 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> ADNS INC III
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	3	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	2	13
Out	-	-	-	-	-	-	-	-	-	-	3	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	2	13



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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 10 : Other Shore Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2920 - RADIAC

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** 0708017N **Other Related Program Elements:** 0603542N, 0702856N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	35.337	4.869	6.201	8.083	-	8.083	8.085	8.422	8.191	8.333	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	35.337	4.869	6.201	8.083	-	8.083	8.085	8.422	8.191	8.333	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	35.337	4.869	6.201	8.083	-	8.083	8.085	8.422	8.191	8.333	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Radiation Detection, Indication and Computation (RADIAC) Program is responsible for providing radiation monitoring instruments that detect and measure ionizing radiation. These instruments are used on all Navy, Coast Guard and Military Sealift Command vessels, and at every Navy shore installation, in order to ensure the safety of personnel, continuity of operations in radiological or nuclear contingencies, and protection of the environment.

[P40A / M2100 - Survey Meters]: Survey meters are portable equipment used to support operations involving radioactive material, providing real-time information used to control personnel radiation exposure and to identify and control the spread of radioactivity. When used to search for radioactive material, they provide an extremely reliable method of identifying radioactive material while minimizing the risk to personnel conducting these operations.

[P40A / M2200 - Dosimetry]: In accordance with 10CFR20, dosimetry is required to be worn by personnel who work with sources of radioactivity. In the Navy this includes personnel in the Nuclear Propulsion, Nuclear Weapons, Medical and Radiological Affairs Support programs. In these programs radiation exposure is measured by dosimetry and recorded in individual medical records for tracking purposes. Dosimetry is also worn by personnel responding to casualties involving radioactivity to control their exposure within acceptable levels.

[P40A / M2400 - Other RADIAC]: Supports instruments that are disparate in functionality and cannot be readily grouped into the other RADIAC Cost Codes.

[P40A / M2500 - Air Sampling Systems]: Monitoring for airborne radioactivity is done to detect leaks from nuclear reactors or associated systems to ensure that radioactivity is not inadvertently released to the environment from these operations.

[P40A / M2600 - Laboratory Test Equipment]: This Cost Code supports specialized equipment usually found in laboratories, hospitals and research facilities.

[P40A / M2830 - Production Engineering]: Labor cost of the Engineers, Health Physicists, Scientists and others who prepare the acquisitions.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2920 - RADIAC
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** 0708017N **Other Related Program Elements:** 0603542N, 0702856N

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
RADIAC Program (See enclosed P-40A)	P40A, P5A				35.337			4.869			6.201			8.083			0.000			8.083
<b>Total Gross/Weapon System Cost</b>				<b>35.337</b>			<b>4.869</b>			<b>6.201</b>			<b>8.083</b>			<b>-</b>			<b>8.083</b>	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 Title 10 of the Code of Federal Regulations, Part 20 (10CFR20) requires RADIAC instruments be used to ensure the safety of personnel who work with or are exposed to radioactive materials in their work. Additionally, the Navy's mission requires personnel and ships to have the ability to operate in radiological environments and the ability to identify and interdict radiological Weapons of Mass Destruction (WMD). Navy programs that require RADIAC instruments for Occupational Safety & Health (OSH) reasons under the provisions of 10CFR20 include Naval Nuclear Propulsion, Nuclear Weapons, Medical, and Radiological Affairs Support. Non-OSH programs include Radiological Defense, Consequence Management, Training, Technical (RADIAC calibration, shielding evaluation, research, etc.) and Radiological Search (maritime interdiction to locate or intercept WMD).

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2920 - RADIAC **Aggregated Item Name:** RADIAC Program

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
<b>1) M2100 - Survey Meters</b>																				
† 1.1) Joint Water Monitor Kit <sup>(1)</sup>	A	-	-	0.200	2,480.77	260	0.645	-	-	-	-	-	-	-	-	-	-	-	-	
† 1.2) Gamma Scintillation Survey Meter, Control Unit <sup>(2)</sup>	A	-	-	-	1,300.00	175	0.228	1,300.00	175	0.228	-	-	-	-	-	-	-	-	-	
† 1.3) Gamma Scintillation Survey Meter, Probe <sup>(3)</sup>	A	-	-	-	1,683.00	175	0.295	1,683.00	175	0.295	-	-	-	-	-	-	-	-	-	
† 1.4) Pulsed X-Ray Survey Meter <sup>(4)</sup>	A	-	-	-	-	-	-	3,624.00	50	0.181	-	-	-	-	-	-	-	-	-	
† 1.5) Ion Chamber Survey Meter <sup>(5)</sup>	A	-	-	1.312	-	-	-	2,000.00	200	0.400	2,036.00	200	0.407	-	-	-	2,036.00	200	0.407	
† 1.6) u-Rem Survey Meter <sup>(6)</sup>	A	-	-	-	-	-	-	4,100.00	100	0.410	4,145.00	150	0.622	-	-	-	4,145.00	150	0.622	
† 1.7) Neutron Detector First Article <sup>(7)</sup>	A	-	-	-	-	-	-	-	-	-	20,000.00	3	0.060	-	-	-	20,000.00	3	0.060	
1.8) Neutron Detector <sup>(8)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.9) Telescopic Survey Meter <sup>(9)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.10) M2100 NWCF Contract Service Fee <sup>(10)</sup>	A	-	-	-	-	-	-	-	-	0.026	-	-	0.019	-	-	-	-	-	0.019	
<i>Subtotal 1) M2100 - Survey Meters</i>																				
				1.512			1.168			1.540			1.108			0.000			1.108	
<b>2) M2200 - Dosimetry</b>																				
† 2.1) DT-702 Card <sup>(11)</sup>	A	-	-	5.382	-	-	-	24.20	50,000	1.210	24.56	50,000	1.228	-	-	-	24.56	50,000	1.228	
† 2.2) DT-702 Card Holder <sup>(12)</sup>	A	-	-	-	-	-	-	-	-	-	15.60	25,000	0.390	-	-	-	15.60	25,000	0.390	
† 2.3) DXTRAD Finger Ring <sup>(13)</sup>	A	-	-	-	-	-	-	-	-	-	37.97	3,000	0.114	-	-	-	37.97	3,000	0.114	
† 2.4) DXTRAD Reader First Article <sup>(14)</sup>	B	-	-	-	-	-	-	-	-	-	40,720.00	1	0.041	-	-	-	40,720.00	1	0.041	

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 10

**P-1 Line Item Nomenclature:**  
2920 - RADIAC

**Aggregated Item Name:**  
RADIAC Program

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
† 2.5) DXTRAD Reader <sup>(15)</sup>	A	-	-	-	-	-	-	-	-	-	20,360.00	2	0.041	-	-	-	20,360.00	2	0.041
† 2.6) 8800 Irradiator <sup>(16)</sup>	A	-	-	-	-	-	-	-	-	-	13,808.18	3	0.041	-	-	-	13,808.18	3	0.041
2.7) 8800 Reader <sup>(17)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.8) Battlefield Dosimeter <sup>(18)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9) Electronic Personal Dosimeter (EPD) <sup>(19)</sup>	A	-	-	0.305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.10) Neutron EPD <sup>(20)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.11) M2200 NWCF Contract Service Fee <sup>(21)</sup>	A	-	-	-	-	-	-	-	-	0.021	-	-	0.032	-	-	-	-	-	0.032
<i>Subtotal 2) M2200 - Dosimetry</i>				5.687			0.000			1.231			1.887			0.000			1.887
<b>3) M2400 - Other RADIAC</b>																			
† 3.1) Remote Area Monitor <sup>(22)</sup>	A	-	-	2.549	10,973.33	150	1.646	-	-	-	-	-	-	-	-	-	-	-	-
† 3.2) EPD Training Device <sup>(23)</sup>	B	-	-	-	87,000.00	3	0.261	-	-	-	-	-	-	-	-	-	-	-	-
† 3.3) Ion Chamber Training Device First Article <sup>(24)</sup>	B	-	-	-	-	-	-	76,350.00	1	0.076	-	-	-	-	-	-	-	-	-
† 3.4) Ion Chamber Training Device <sup>(25)</sup>	A	-	-	-	-	-	-	-	-	-	7,089.47	15	0.106	-	-	-	7,089.47	15	0.106
† 3.5) Frisker Training Device First Article <sup>(26)</sup>	B	-	-	-	-	-	-	139,182.33	3	0.418	-	-	-	-	-	-	-	-	-
† 3.6) Frisker Training Device <sup>(27)</sup>	A	-	-	-	-	-	-	2,800.00	150	0.420	2,800.00	150	0.420	-	-	-	2,800.00	150	0.420
† 3.7) Neutron Area Monitor First Article <sup>(28)</sup>	B	-	-	-	-	-	-	-	-	-	20,000.00	1	0.020	-	-	-	20,000.00	1	0.020

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**P-1 Line Item Nomenclature:**  
2920 - RADIAC

**Aggregated Item Name:**  
RADIAC Program

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.8) Neutron Area Monitor <sup>(29)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 3.9) Criticality Monitor First Article <sup>(30)</sup>	B	-	-	-	-	-	-	-	-	-	100,000.00	3	0.300	-	-	-	100,000.00	3	0.300
3.10) Criticality Monitor <sup>(31)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.11) Spares <sup>(32)</sup>	A	-	-	5.136	-	-	0.335	-	-	0.455	-	-	0.100	-	-	-	-	-	0.100
3.12) M2400 NWCF Contract Service Fee <sup>(33)</sup>	A	-	-	-	-	-	-	-	-	0.017	-	-	0.017	-	-	-	-	-	0.017
<i>Subtotal 3) M2400 - Other RADIAC</i>				<i>7.685</i>			<i>2.242</i>			<i>1.386</i>			<i>0.963</i>			<i>0.000</i>			<i>0.963</i>
<b>4) M2500 - Air Sampling Systems</b>																			
† 4.1) Air Particle Detector, Ship, First Article <sup>(34)</sup>	B	-	-	-	-	-	-	459,000.00	2	0.918	-	-	-	-	-	-	-	-	-
† 4.2) Air Particle Detector, Ship, Frames <sup>(35)</sup>	A	-	-	-	-	-	-	-	-	-	5,500.00	50	0.275	-	-	-	5,500.00	50	0.275
† 4.3) Air Particle Detector, Ship <sup>(36)</sup>	A	-	-	-	-	-	-	-	-	-	45,000.00	40	1.800	-	-	-	45,000.00	40	1.800
† 4.4) Air Particle Detector, Shore, First Article <sup>(37)</sup>	B	-	-	-	-	-	-	-	-	-	50,000.00	3	0.150	-	-	-	50,000.00	3	0.150
† 4.5) Air Particle Detector Shore <sup>(38)</sup>	A	-	-	-	-	-	-	-	-	-	17,391.00	50	0.870	-	-	-	17,391.00	50	0.870
4.6) Air Particle Sampler First Article <sup>(39)</sup>	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7) Air Particle Sampler <sup>(40)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.8) M2500 NWCF Contract Service Fee <sup>(41)</sup>	A	-	-	-	-	-	-	-	-	0.016	-	-	0.053	-	-	-	-	-	0.053
<i>Subtotal 4) M2500 - Air Sampling Systems</i>				<i>0.000</i>			<i>0.000</i>			<i>0.934</i>			<i>3.148</i>			<i>0.000</i>			<i>3.148</i>
<b>5) M2600 - Laboratory Test Equipment</b>																			

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2920 - RADIAC	<b>Aggregated Item Name:</b> RADIAC Program
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
† 5.1) Liquid Scintillation Counter <sup>(42)</sup>	A	-	-	0.321	96,000.00	2	0.192	-	-	-	-	-	-	-	-	-	-	-	-
† 5.2) Gamma Counter <sup>(43)</sup>	A	-	-	0.224	27,666.67	3	0.083	-	-	-	-	-	-	-	-	-	-	-	-
† 5.3) X-Ray Survey Equipment <sup>(44)</sup>	A	-	-	0.233	16,600.00	5	0.083	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) M2600 - Laboratory Test Equipment</i>				0.778			0.358			0.000			0.000			0.000			0.000
<b>6) M2830 - Production Engineering</b>																			
6.1) Production Engineering <sup>(45)</sup>	A	-	-	19.675	-	-	1.101	-	-	1.110	-	-	0.977	-	-	-	-	-	0.977
<i>Subtotal 6) M2830 - Production Engineering</i>				19.675			1.101			1.110			0.977			0.000			0.977
<b>Total</b>				<b>35.337</b>			<b>4.869</b>			<b>6.201</b>			<b>8.083</b>			<b>0.000</b>			<b>8.083</b>

**Remarks:**

[M2100 - Survey Meters] Radiation survey meters, required by 10CFR20 and the Navy's mission, are used to detect, measure and monitor radiation levels in support of operations involving radioactive materials. Navy operations associated with radioactive materials include operation of nuclear reactors, maintenance on radioactive systems or components, testing of components, research, and medical diagnostic and treatment. Additionally, radiation survey meters are used to search for, locate and intercept radioactive material, and in responding to casualties involving radioactive materials. Where radiation survey meters are used to support operations involving radioactive material, they provide real-time information used to control personnel radiation exposure and to identify and control the spread of radioactivity. When used to search for radioactive material, they provide an extremely reliable method of identifying radioactive material while minimizing the risk to personnel conducting these operations.

[M2200 - Dosimetry] Dosimetry consists of radiation sensitive materials that are used for detecting and measuring an individual's exposure to ionizing radiation and to aid in minimizing this exposure. Dosimetry is required to be worn by personnel who work with sources of radioactivity or by personnel responding to casualties involving radioactivity. Most dosimeters are small devices that are worn on the belt, on a lanyard around the neck or attached to a shirt. Some dosimeters provides direct readout enabling the wearer to monitor and control radiation exposure. Other types of dosimeters must be removed from the wearer to be evaluated in special dosimeter readers that extract the recorded radiation exposure value from the dosimeter. Radiation exposure measured by dosimetry is recorded in individual medical records when formal tracking of the radiation exposure is required.

[M2400 - Other RADIAC] The RADIAC Program fields 70 different families of instruments, consisting of a total of almost 43,000 instruments and 400,000 dosimeters. Those families that fall into similar functionality have been grouped here into the M2100, M2200, M2500 and M2600 Cost Codes. This Cost Code consists of instruments that have specialized functions that only they perform, and therefore would require an unmanageable and meaningless number of additional Cost Codes if each were addressed individually. In the context of the family metaphor used here, these instruments are no less important but are orphans in the sense there are not many of similar functionality that they could be grouped with. This Cost Code also supports replenishment of Ready for Issue (RFI) stocks when instruments in any Cost Code fall below stock levels sufficient to meet quarterly demand. This Cost Element (Spares) is a Continuing element that varies year-to-year based on emergent requirements and the quantity and unit cost of the item(s) being replenished.

[M2500 - Air Sampling Systems] Monitoring for airborne radioactivity is done to detect leaks from nuclear reactors or associated systems to ensure that radioactivity is not inadvertently released to the environment from these operations. Additionally, monitoring for airborne radioactivity is performed during maintenance on radioactive components or during events that might cause radioactivity to be released

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to the air. Monitoring for airborne radioactivity is normally done by drawing air across filter paper to collect airborne radioactive particles. This filter paper is then evaluated by radiation detectors and the concentration of airborne radioactivity calculated. The types of airborne radioactivity monitoring systems include fixed systems and portable systems. Fixed systems sample air from pre-determined locations and normally include built in radiation detectors for determining the airborne radioactivity concentration. Portable systems can be used to sample air at any desired location, but normally require the use of separate radiation detection instruments to measure the radioactive particles deposited on the filter paper to determine the airborne radioactivity concentration.

[M2600 - Laboratory Test Equipment] This Cost Code supports specialized equipment usually found in laboratories, hospitals and test facilities. This kind of equipment is distinct enough to warrant separating it for management purposes from the M2400 Cost Code.

[M2830 - Production Engineering] Labor cost of the Engineers, Health Physicists, Scientists and others who prepare the acquisitions.

- (1) Joint Water Monitor Kit: Radiation detector and interface used to evaluate radioactivity of drinking water during radiological casualties. Utilizes the OA-9454/PDQ detector group consisting of DT-685/PDQ and DT-304/PDR.
- (2) Gamma Scintillation Survey Meter, Control Unit: Control Unit for sensitive portable radiation survey meter used to search for specific radionuclides or to search for small differences in area radiation levels indicative of improperly controlled radioactive material
- (3) Gamma Scintillation Survey Meter, Probe: Probe for sensitive portable radiation survey meter used to search for specific radionuclides or to search for small differences in area radiation levels indicative of improperly controlled radioactive material
- (4) Pulsed X-Ray Survey Meter: Specialized radiation detection instrument used in pulsed x-ray radiation facilities to ensure compliance with 10CFR20.
- (5) Ion Chamber Survey Meter: Portable radiation survey meter used to ensure compliance with 10CFR20 during operations involving radioactive material. This survey meter uses an ion chamber detector to ensure adequate response to both x-ray and gamma ray radiation.
- (6) u-Rem Survey Meter: Sensitive portable radiation survey meter used to ensure compliance with 10CFR20 during operations involving radioactive material.
- (7) Neutron Detector First Article: Portable neutron radiation survey meter used to ensure compliance with 10CFR20 during nuclear reactor operations and operations involving neutron emitters.
- (8) Neutron Detector: Portable neutron radiation survey meter used to ensure compliance with 10CFR20 during nuclear reactor operations and operations involving neutron emitters.
- (9) Telescopic Survey Meter: Portable radiation survey meter with an extendable probe. The detector probe is connected to the meter using a telescoping extender to allow the user to stand in lower radiation level area while taking radiation measurements on highly radioactive items.
- (10) M2100 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions.
- (11) DT-702 Card: The DT-702 card contains radiation sensitive material and is worn by personnel to monitor exposure to radiation.
- (12) DT-702 Card Holder: The DT-702 Holder is used to hold and protect the DT-702 card during use. It consists of a hard plastic case with both belt and lanyard attachments. These attachments allow the DT-702 Holder (with DT-702 Card inserted) to be easily attached to the wearer during use.
- (13) DXTRAD Finger Ring: Special dosimeter used to monitor radiation exposure to hands of workers. The DXTRAD Finger Ring uses the same radiation sensitive material of the DT-702/PD dosimeter, putting the material in a ring than can be worn on the workers hand, allowing use of hands during the work.
- (14) DXTRAD Reader First Article: Specialized dosimetry reader for the DXTRAD dosimetry system. Used to evaluate DXTRAD dosimetry to determine the amount of radiation exposure accumulated in the dosimeter.
- (15) DXTRAD Reader: Specialized dosimetry reader for the DXTRAD dosimetry system. Used to evaluate DXTRAD dosimetry to determine the amount of radiation exposure accumulated in the dosimeter.
- (16) 8800 Irradiator: A component of the Harshaw 8800. This internal C-14 irradiator is used in the Harshaw 8800 to ensure the quality of the DT-702 card readings.
- (17) 8800 Reader: The Harshaw 8800 is a high volume, computer controlled, dosimeter card (DT-702) reader. It is used to evaluate DT-702 cards to determine the amount of radiation exposure accumulated in the card.
- (18) Battlefield Dosimeter: A dosimeter designed for use during nuclear events involving high energy gamma and neutron irradiation. These dosimeters are worn by personnel who might be exposed to effects of a nuclear explosion or the associated fallout.

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy		<b>Date:</b> February 2012
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- <sup>(19)</sup>Electronic Personal Dosimeter (EPD): A electronic dosimeter that includes direct readout of radiation dose. These dosimeters use semi-conductor radiation detectors and have the ability to provide direct readout of radiation dose. They are normally used in conjunction with DT-702 dosimetry to provide the wearer with real-time radiation dose information and alarm features that aid workers in controlling their radiation exposure.
- <sup>(20)</sup>Neutron EPD:
- <sup>(21)</sup>M2200 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions.
- <sup>(22)</sup>Remote Area Monitor: Radiation detection system used to continuously monitor general area radiation levels to ensure compliance with 10CFR20 in facilities used for radiological work.
- <sup>(23)</sup>EPD Training Device: Training simulator used to provide EPD training without the need to expose trainees to radiation.
- <sup>(24)</sup>Ion Chamber Training Device First Article: Training simulator used to provide Ion Chamber Survey meter training without the need for trainees to handle radioactive material or be exposed to radiation.
- <sup>(25)</sup>Ion Chamber Training Device: Training simulator used to provide Ion Chamber Survey meter training without the need for trainees to handle radioactive material or be exposed to radiation.
- <sup>(26)</sup>Frisker Training Device First Article: Training simulator used to provide Frisker Station (IM-271/PD) training without the need for trainees to handle radioactive material or be exposed to radiation.
- <sup>(27)</sup>Frisker Training Device: Training simulator used to provide Frisker Station (IM-271/PD) training without the need for trainees to handle radioactive material or be exposed to radiation.
- <sup>(28)</sup>Neutron Area Monitor First Article: Neutron detection equipment used to continuously monitor general area neutron radiation levels to ensure compliance with 10CFR20 in facilities that use neutron emitters.
- <sup>(29)</sup>Neutron Area Monitor: Neutron detection equipment used to continuously monitor general area neutron radiation levels to ensure compliance with 10CFR20 in facilities that use neutron emitters.
- <sup>(30)</sup>Criticality Monitor First Article: Radiation detection system used to continuously monitor general area radiation levels and designed to detect an uncontrolled reactor criticality event. This system is used in reactor construction and overhaul facilities to ensure compliance with 10CFR20.
- <sup>(31)</sup>Criticality Monitor: Radiation detection system used to continuously monitor general area radiation levels and designed to detect an uncontrolled reactor criticality event. This system is used in reactor construction and overhaul facilities to ensure compliance with 10CFR20.
- <sup>(32)</sup>Spares: Purchase of additional quantities of existing models of RADIACs to replenish or supplement stocks of spare items due to minor increases in program allowances, minor inventory losses, or due to items being beyond economical repair.
- <sup>(33)</sup>M2400 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions.
- <sup>(34)</sup>Air Particle Detector, Ship, First Article: Airborne radioactivity monitoring system for use on Navy nuclear ships. This system (IM-272/WDQ) is a replacement for the existing IM-239/WDQ used on Navy nuclear ships. The IM-272/WDQ incorporates significant technology enhancements that will reduce spurious false alarms and reduce operator maintenance.
- <sup>(35)</sup>Air Particle Detector, Ship, Frames: Government Furnished Material to be provided to the manufacturer of the APD Ship (IM-272/WDQ). This material consists of the housing and identified internal components from the IM-239/WDQ. The housings and identified internal components from the IM-239/WDQ will be prepared in a RADIAC Program facility and provided to manufacturer of the IM-272/WDQ. Use of these housings and components reduces the overall cost of the IM-272/WDQ and ensures it has the same footprint as the IM-239/WDQ.
- <sup>(36)</sup>Air Particle Detector, Ship: Airborne radioactivity monitoring system for use on Navy nuclear ships. This system (IM-272/WDQ) is a replacement for the existing IM-239/WDQ used on Navy nuclear ships. The IM-272/WDQ incorporates significant technology enhancements that will reduce spurious false alarms and reduce operator maintenance.
- <sup>(37)</sup>Airborne radioactivity monitoring system for use on Navy nuclear ships. This system is a replacement for the existing Air Particle Detector, Shore, First Article: IM-239/WDQ used in radiological maintenance facilities. The APD Shore incorporates significant technology enhancements that will reduce spurious false alarms and reduce operator maintenance.
- <sup>(38)</sup>Air Particle Detector Shore: Airborne radioactivity monitoring system for use on Navy nuclear ships. This system is a replacement for the existing IM-239/WDQ used in radiological maintenance facilities. The APD Shore incorporates significant technology enhancements that will reduce spurious false alarms and reduce operator maintenance.
- <sup>(39)</sup>Air Particle Sampler First Article: Portable airborne radioactivity sampling system. Used during radiological work or during radiological casualties to draw air across a filter paper to collect radioactive particles. The filter paper is then evaluated using separately provided radiation detectors to determine the concentration of airborne radioactivity.
- <sup>(40)</sup>Air Particle Sampler: Portable airborne radioactivity sampling system. Used during radiological work or during radiological casualties to draw air across a filter paper to collect radioactive particles. The filter paper is then evaluated using separately provided radiation detectors to determine the concentration of airborne radioactivity.



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<p><sup>(41)</sup>M2500 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions.</p> <p><sup>(42)</sup>Liquid Scintillation Counter: A sensitive radiation detection system used in laboratories for radioactive sample analysis.</p> <p><sup>(43)</sup>Gamma Counter: A sensitive radiation detection system used for evaluating potentially radioactive items and laboratory samples.</p> <p><sup>(44)</sup>X-Ray Survey Equipment: X-ray radiation detection equipment used to evaluate diagnostic X-ray machines in medical facilities to ensure they are operating safely.</p> <p><sup>(45)</sup>Production Engineering: Labor cost of the Engineers, Health Physicists, Scientists and others who prepare the acquisitions.</p>		

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 10				P-1 Line Item Nomenclature: 2920 - RADIAC				Aggregated Item Name: RADIAC Program				
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) M2100 - Survey Meters</b>												
1.1) Joint Water Monitor Kit		2011	SAIC / San Diego, CA	SS / FFP	NSWC Carderock	Sep 2011	Jul 2012	260	2,480.77	Y		Jan 2011
1.2) Gamma Scintillation Survey Meter, Control Unit		2011	Thermo Fisher Scientific / Waltham, MA	C / FFP	NSWC Carderock	Aug 2011	Dec 2011	175	1,300.00	Y		Nov 2010
1.2) Gamma Scintillation Survey Meter, Control Unit		2012	Thermo Fisher Scientific / Waltham, MA	C / FFP	NSWC Carderock	Mar 2012	Jun 2012	175	1,300.00	Y		Nov 2010
1.3) Gamma Scintillation Survey Meter, Probe		2011	Thermo Fisher Scientific / Waltham, MA	C / FFP	NSWC Carderock	Aug 2011	Dec 2011	175	1,683.00	Y		Nov 2010
1.3) Gamma Scintillation Survey Meter, Probe		2012	Thermo Fisher Scientific / Waltham, MA	C / FFP	NSWC Carderock	Mar 2012	Jun 2012	175	1,683.00	Y		Nov 2010
1.4) Pulsed X-Ray Survey Meter		2012	TBD / UNKNOWN	C / FFP	NSWC Carderock	Sep 2012	Jan 2013	50	3,624.00	Y		Apr 2012
1.5) Ion Chamber Survey Meter		2012	TBD / UNKNOWN	C / FFP	NSWC Carderock	Jun 2012	Sep 2012	200	2,000.00	Y		Mar 2012
1.5) Ion Chamber Survey Meter		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Jan 2013	Apr 2013	200	2,036.00	Y		Mar 2012
1.6) u-Rem Survey Meter		2012	TBD / UNKNOWN	C / FFP	NSWC Carderock	Jun 2012	Sep 2012	100	4,100.00	Y		Mar 2012
1.6) u-Rem Survey Meter		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Jan 2013	Apr 2013	150	4,145.00	Y		Mar 2012
1.7) Neutron Detector First Article		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Mar 2013	Jun 2013	3	20,000.00	N		Oct 2012
<b>2) M2200 - Dosimetry</b>												
2.1) DT-702 Card		2012	Thermo Fisher Scientific / Waltham, MA	SS / IDIQ	NSWC Carderock	Mar 2012	Jun 2012	50,000	24.20	Y		Sep 2007
2.1) DT-702 Card		2013	Thermo Fisher Scientific / Waltham, MA	SS / IDIQ	NSWC Carderock	Feb 2013	May 2013	50,000	24.56	Y		Oct 2012
2.2) DT-702 Card Holder		2013	Thermo Fisher Scientific / Waltham, MA	SS / IDIQ	NSWC Carderock	Feb 2013	May 2013	25,000	15.60	Y		Oct 2012
2.3) DXTRAD Finger Ring		2013	Thermo Fisher Scientific / Waltham, MA	SS / IDIQ	NSWC Carderock	Feb 2013	May 2013	3,000	37.97	Y		Oct 2012
2.4) DXTRAD Reader First Article		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Jan 2013	Apr 2013	1	40,720.00	N		Jul 2012
2.5) DXTRAD Reader		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Sep 2013	Jan 2014	2	20,360.00	N		Jul 2012
2.6) 8800 Irradiator		2013	Thermo Fisher Scientific / Waltham, MA	SS / IDDQ	NSWC Carderock	Feb 2013	May 2013	3	13,808.18	Y		Oct 2012
<b>3) M2400 - Other RADIAC</b>												

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 10				P-1 Line Item Nomenclature: 2920 - RADIAC						Aggregated Item Name: RADIAC Program		
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
3.1) Remote Area Monitor		2011	Radiation Safety & Control Services / Stratham, NH	C / FFP	NSWC Carderock	Aug 2011	Nov 2011	150	10,973.33	Y		Dec 2008
3.2) EPD Training Device		2011	Radiation Safety & Control Services / Stratham, NH	SS / FFP	NSWC Carderock	Sep 2011	Dec 2011	3	87,000.00	Y		Jan 2011
3.3) Ion Chamber Training Device First Article		2012	Radiation Safety & Control Services / Stratham, NH	SS / FFP	NSWC Carderock	Jun 2012	Sep 2012	1	76,350.00	Y		Apr 2012
3.4) Ion Chamber Training Device		2013	Radiation Safety & Control Services / Stratham, NH	SS / FFP	NSWC Carderock	Feb 2013	May 2013	15	7,089.47	Y		Apr 2012
3.5) Frisker Training Device First Article		2012	Radiation Safety & Control Services / Stratham, NH	SS / FFP	NSWC Carderock	Mar 2012	Jun 2012	3	139,182.33	Y		Feb 2012
3.6) Frisker Training Device		2012	Radiation Safety & Control Services / Stratham, NH	SS / FFP	NSWC Carderock	Mar 2012	Nov 2012	150	2,800.00	Y		Feb 2012
3.6) Frisker Training Device		2013	Radiation Safety & Control Services / Stratham, NH	SS / FFP	NSWC Carderock	Jan 2013	Jul 2013	150	2,800.00	Y		Feb 2012
3.7) Neutron Area Monitor First Article		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Jan 2013	Apr 2013	1	20,000.00	N		Nov 2012
3.9) Criticality Monitor First Article		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Nov 2012	Aug 2013	3	100,000.00	Y		Apr 2011
<b>4) M2500 - Air Sampling Systems</b>												
4.1) Air Particle Detector, Ship, First Article		2012	TBD / UNKNOWN	C / FFP	NSWC Carderock	Apr 2012	Apr 2013	2	459,000.00	Y		Feb 2011
4.2) Air Particle Detector, Ship, Frames		2013	Puget Sound NSY / Bremerton, WA	WR	** NO PCO **	Nov 2012	Jan 2013	50	5,500.00	Y		
4.3) Air Particle Detector, Ship		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Sep 2013	Mar 2014	40	45,000.00	Y		Feb 2011
4.4) Air Particle Detector, Shore, First Article		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Dec 2012	Jun 2013	3	50,000.00	Y		Jun 2012
4.5) Air Particle Detector Shore		2013	TBD / UNKNOWN	C / FFP	NSWC Carderock	Sep 2013	Jan 2014	50	17,391.00	Y		Jun 2012
<b>5) M2600 - Laboratory Test Equipment</b>												
5.1) Liquid Scintillation Counter		2011	Perkinelmer / Shelton, CT	C / FFP	NSWC Carderock	Jun 2011	Sep 2011	2	96,000.00	Y		Feb 2010
5.2) Gamma Counter		2011	Canberra Industries / Meriden, CT	C / FFP	NSWC Carderock	Jun 2011	Sep 2011	3	27,666.67	Y		May 2010
5.3) X-Ray Survey Equipment		2011	Owens Scientific / Katy, TX	C / FFP	NSWC Carderock	Apr 2011	Jul 2011	5	16,600.00	Y		May 2010
<b>Remarks:</b>												

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 10 : Other Shore Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2925 - CANES Intell

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0303138N, 0303238N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	3.123	72.313	79.427	-	79.427	60.666	69.830	56.274	60.338	1,045.823	1,447.794
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	3.123	72.313	79.427	-	79.427	60.666	69.830	56.274	60.338	1,045.823	1,447.794
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	3.123	72.313	79.427	-	79.427	60.666	69.830	56.274	60.338	1,045.823	1,447.794
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Consolidated Afloat Networks & Enterprise Services (CANES) is a Department of Navy (DoN) Efficiency Initiative and is the Navy's only Program of Record to replace existing afloat networks and provide the necessary infrastructure for applications, systems, and services to operate in the tactical domain. CANES is the technical and infrastructure consolidation of existing, separately managed afloat networks currently under PE 0204163N (LI 3050) Ship Communications Automation, including Integrated Shipboard Network Systems (ISNS), Combined Enterprise Regional Information Exchange System - Maritime, Sensitive Compartmented Information (SCI) Networks, and Submarine Local Area Network. These legacy afloat network designs are End of Life starting in FY 2012 and CANES will replace these existing, unaffordable, and obsolete networks.

The fundamental goal of CANES is to bring Infrastructure and Platform as a Service (IaaS / PaaS), within which current and future iterations of Tasking, Collection, Processing, Exploitation and Dissemination computing and storage capabilities will reside. CANES will provide complete infrastructure, inclusive of hardware, software, processing, storage, and end user devices for Unclassified, Coalition, Secret and SCI for all basic network services (email, web, chat, collaboration) to a wide variety of Navy surface combatants, submarines, Maritime Operations Centers, and Aircraft. In addition, ~36 hosted applications and systems inclusive of Command and Control, Intelligence, Surveillance and Reconnaissance, Information Operations, Logistics and Business domains require the CANES infrastructure to operate in the tactical environment. Integrating these applications and systems is accomplished through Application Integration, the engineering process used to evaluate and validate compatibility between the CANES IaaS / PaaS and the Navy-validated applications, systems and services that will utilize the CANES infrastructure and services. Specific programs, such as Distributed Common Ground System - Navy, Global Command and Control System - Maritime, Naval Tactical Command Support System, and Undersea Warfare Decision Support System, are dependent on the CANES Common Computing Environment to field, host, and sustain their capability because they no longer provide their own hardware. CANES requires that ADNS field prior to or concurrently with CANES due to architectural reliance between the two programs.

CANES will field on a rolling four year hardware baseline and a two year software baseline. CANES is based on the overarching concept of reducing the number of afloat networks and providing enhanced efficiency through a single engineering focus on integrated technical solutions. This will allow for streamlined acquisition, contracting, and test events, and significant lifecycle efficiencies through consolidation of multiple current configuration management baselines, logistics, and training efforts into a unified support structure.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 10 : Other Shore Electronic Equipment

**P-1 Line Item Nomenclature:**  
 2925 - CANES Intell

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0303138N, 0303238N

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
CANES-Afloat 5G010/5G777 MIP - 1	P3A		-	-	0.000	-	-	3.123	-	-	70.925	-	-	78.717	-	-	0.000	-	-	78.717
CANES - Ashore 5G010/5G776 MIP - 2	P3A		-	-	0.000	-	-	0.000	-	-	1.388	-	-	0.710	-	-	0.000	-	-	0.710
<b>Total Gross/Weapon System Cost</b>					-			3.123			72.313			79.427			-			79.427
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
CANES-Afloat 5G010/5G777 MIP - 1	P3A		-	-	60.123	-	-	69.037	-	-	53.585	-	-	52.421	-	-	1,045.823	-	-	1,433.754
CANES - Ashore 5G010/5G776 MIP - 2	P3A		-	-	0.543	-	-	0.793	-	-	2.689	-	-	7.917	-	-	0.000	-	-	14.040
<b>Total Gross/Weapon System Cost</b>					60.666			69.830			56.274			60.338			1,045.823			1,447.794

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 FY 2013 - Funds are for procurement of (27) units, (1) Technical Training Equipment (TTE), integration, and associated costs for pre-installation design and installation. In addition, the FY13 CANES investment will fund installations for (25) afloat units and (1) Technical Training Equipment unit.

The related RD TEN PEs are CANES Integration PE 0303138N and CANES-MIP PE 0303238N. It is important to note, procurement quantities across the FYDP are the same CANES end item product referenced in CANES PE 0303138N LI 2915. Installation quantities represent sites receiving CANES as also referenced in PE 0303138N LI 2915. The associated dollars in this exhibit represent the MIP portions of the CANES enclave.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell	<b>Modification Nomenclature</b> (Modification Title, Modification Number): CANES-Afloat 5G010/5G777 MIP - 1

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303238N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	3.123	70.925	78.717	0.000	78.717	60.123	69.037	53.585	52.421	1,045.823	1,433.754
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	3.123	70.925	78.717	0.000	78.717	60.123	69.037	53.585	52.421	1,045.823	1,433.754
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>3.123</b>	<b>70.925</b>	<b>78.717</b>	<b>0.000</b>	<b>78.717</b>	<b>60.123</b>	<b>69.037</b>	<b>53.585</b>	<b>52.421</b>	<b>1,045.823</b>	<b>1,433.754</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The consolidation of existing Afloat Network programs of record designed to provide an agile, responsive Afloat Core Services (ACS) enabled Common Computing Environment (CCE) within and upon which application developers will host Command and Control, Warfare, Intelligence, Logistics, and business and education applications and services. In addition, migration of Non-Classified Enclave (NCE) capabilities into the CANES baseline.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CANES-Afloat 5G010/5G777 MIP - 1

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303238N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
CANES-Afloat 5G010/5G777 MIP												
B Kits												
Recurring												
1.1.1) CANES - Afloat Equipment - NonOrganic <sup>(1)</sup>	-	-	-	1.686	13	42.557	27	40.537	-	-	27	40.537
<i>Subtotal Recurring</i>		0.000		1.686		42.557		40.537		0.000		40.537
<i>Total, CANES-Afloat 5G010/5G777 MIP</i>	-	-	-	1.686	13	42.557	27	40.537	-	-	27	40.537
<i>Total, All Modifications</i>		0.000		1.686		42.557		40.537		0.000		40.537
<b>Support</b>												
2.1) CANES - Afloat Production Support (MIP)	-	-	-	-	-	4.209	-	2.134	-	-	-	2.134
2.2) CANES - Afloat Design Service Agent (MIP)	-	-	-	1.437	-	10.166	-	5.554	-	-	-	5.554
<i>Total Support Cost</i>		0.000		1.437		14.375		7.688		0.000		7.688
<i>Procurement Cost (Procurement + Support)</i>		0.000		3.123		56.932		48.225		0.000		48.225
<i>Total Installation Cost</i>		0.000		0.000		13.993		30.492		0.000		30.492
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>3.123</b>		<b>70.925</b>		<b>78.717</b>		<b>0.000</b>		<b>78.717</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
CANES-Afloat 5G010/5G777 MIP												
B Kits												
Recurring												
1.1.1) CANES - Afloat Equipment - NonOrganic <sup>(1)</sup>	28	30.332	30	36.941	34	30.452	16	25.937	23	560.969	171	769.411
<i>Subtotal Recurring</i>		30.332		36.941		30.452		25.937		560.969		769.411
<i>Total, CANES-Afloat 5G010/5G777 MIP</i>	28	30.332	30	36.941	34	30.452	16	25.937	23	560.969	171	769.411
<i>Total, All Modifications</i>		30.332		36.941		30.452		25.937		560.969		769.411
<b>Support</b>												



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CANES-Afloat 5G010/5G777 MIP - 1

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303238N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.1) CANES - Afloat Production Support (MIP)	-	1.596	-	1.944	-	1.603	-	1.365	-	36.168	-	49.019
2.2) CANES - Afloat Design Service Agent (MIP)	-	3.904	-	3.630	-	1.842	-	6.562	-	89.109	-	122.204
<b>Total Support Cost</b>		<b>5.500</b>		<b>5.574</b>		<b>3.445</b>		<b>7.927</b>		<b>125.277</b>		<b>171.223</b>
<b>Procurement Cost (Procurement + Support)</b>		<b>35.832</b>		<b>42.515</b>		<b>33.897</b>		<b>33.864</b>		<b>686.246</b>		<b>940.634</b>
<b>Total Installation Cost</b>		<b>24.291</b>		<b>26.522</b>		<b>19.688</b>		<b>18.557</b>		<b>359.577</b>		<b>493.120</b>
<b>Total Cost (Procurement + Support + Installation)</b>		<b>60.123</b>		<b>69.037</b>		<b>53.585</b>		<b>52.421</b>		<b>1,045.823</b>		<b>1,433.754</b>

**Remarks:**

- (1)-Production Lead time is 8 months for First Articles (DDG,CVN, submarines, etc). First articles are defined as necessary production design drawings, environmental (shock and vibration) qualifications, logistics and training artifacts as well as a certified tested baseline provided to the government for each platform first of its kind. All following articles of the same variant require a Production Lead time of 5 months.
- FY12 delivery reflects the first DDG units, arriving at an accelerated schedule due to efforts accomplished on the Engineering and Manufacturing Development (EMD) contract. FY 2013 delivery dates reflect production lead time of 5 months for Afloat and 4 months for Ashore.
- First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.
- FY 2011 funds required for initial integrated logistics support, DSA, and application integration efforts required to field the CANES capability and produce a usable end item.
- Average unit cost fluctuations are attributable to variances in system configuration requirements among platforms. A DDG/CG/LSD (unit level platforms) has fewer users and runs fewer applications than a LHD/CVN (force level platforms). CVNs and large deck Amphibious ships are larger in scale compared to the unit level ships and represent a super set of users, applications and connected systems. To support the current fielding plan, in FY12 CANES is procuring: DDG (11), LHD (1), CVN (1). In FY13 CANES is procuring: DDG (18), CG (3), LHD (2), LSD (2) CVN (2). Average cost for a unit level is \$5.0M and force level average cost is \$10.9M. These costs are procurement only and do not reflect installation costs.
- Installation cost fluctuations are attributed to and dependent on class, level of the platform, variant of predecessor system the hull currently has installed (ISNS Alpha/Charlie/Delta/Legacy), and geographic location of the installation. As an example of variant differences, if a CVN has an ISNS Delta variant installed, a CANES installation is estimated to be \$4.4M. If that same CVN had a legacy ATM LAN the CANES installation is estimated to be \$12.7M. The legacy LAN installation has the additional cost of rewiring all the drops, while the newer variants of ISNS allow for reuse of drops during the CANES installation.
- Afloat and ashore quantities represent the number of ship and shore sites receiving CANES which align to Chief of Naval Operations (CNO) availabilities.

<b>Manufacturer Information: CANES-Afloat 5G010/5G777 MIP</b>							
Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 5			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Nov 2012				
Delivery Dates		Jun 2012	Apr 2013				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CANES-Afloat 5G010/5G777 MIP - 1
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303238N

<b>Installation:</b> CANES-Afloat 5G010/5G777 MIP		<b>Method of Implementation:</b> [none specified]				<b>Installation Name:</b> CANES - Afloat Equipment						
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	4	13.993	9	7.202	0	0.000	9	7.202
FY 2013	-	-	-	-	-	-	16	23.290	0	0.000	16	23.290
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	4	13.993	25	30.492	0	0.000	25	30.492

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	13	21.195
FY 2013	11	7.975	-	-	-	-	-	-	-	-	27	31.265
FY 2014	20	16.316	8	6.844	-	-	-	-	-	-	28	23.160
FY 2015	-	-	22	19.678	8	4.287	-	-	-	-	30	23.965
FY 2016	-	-	-	-	29	15.401	5	9.412	-	-	34	24.813
FY 2017	-	-	-	-	-	-	8	9.145	8	6.757	16	15.902
To Complete	-	-	-	-	-	-	-	-	23	352.820	23	352.820
<b>Total</b>	31	24.291	30	26.522	37	19.688	13	18.557	31	359.577	171	493.120

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> CANES-Afloat 5G010/5G777 MIP - 1
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303238N

<b>Installation:</b> CANES-Afloat 5G010/5G777 MIP	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> CANES - Afloat Equipment
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	2	2	9	7	5	4	11	8	6	8	6	13	4	9	4	10	10	9	5	4	3	32	171
Out	-	-	-	-	-	-	-	-	-	2	1	10	5	5	5	11	7	7	7	7	12	6	9	4	8	13	9	3	6	34	171

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10			<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> CANES - Ashore 5G010/5G776 MIP - 2					
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0303238N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	1.388	0.710	0.000	0.710	0.543	0.793	2.689	7.917	0.000	14.040
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	1.388	0.710	0.000	0.710	0.543	0.793	2.689	7.917	0.000	14.040
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>1.388</b>	<b>0.710</b>	<b>0.000</b>	<b>0.710</b>	<b>0.543</b>	<b>0.793</b>	<b>2.689</b>	<b>7.917</b>	<b>0.000</b>	<b>14.040</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The consolidation of existing Afloat Network programs of record designed to provide an agile, responsive Afloat Core Services (ACS) enabled Common Computing Environment (CCE) within and upon which application developers will host Command and Control, Warfare, Intelligence, Logistics, and business and education applications and services for Maritime Operation Command (MOC) and Technical Training Equipment (TTE).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CANES - Ashore 5G010/5G776 MIP - 2
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303238N

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
CANES - Ashore 5G010/5G776 MIP												
B Kits												
Recurring												
1.1.1) CANES-Ashore Equipment - NonOrganic <sup>(2)</sup>	-	-	-	-	1	0.615	1	0.310	-	-	1	0.310
<i>Subtotal Recurring</i>		0.000		0.000		0.615		0.310		0.000		0.310
<i>Total, CANES - Ashore 5G010/5G776 MIP</i>	-	-	-	-	1	0.615	1	0.310	-	-	1	0.310
<i>Total, All Modifications</i>		0.000		0.000		0.615		0.310		0.000		0.310
<b>Support</b>												
2.1) CANES - Ashore Production Support (MIP)	-	-	-	-	-	0.061	-	0.016	-	-	-	0.016
2.2) CANES - Ashore Design Service Agent (MIP)	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.061		0.016		0.000		0.016
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.676		0.326		0.000		0.326
<i>Total Installation Cost</i>		0.000		0.000		0.712		0.384		0.000		0.384
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>1.388</b>		<b>0.710</b>		<b>0.000</b>		<b>0.710</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
CANES - Ashore 5G010/5G776 MIP												
B Kits												
Recurring												
1.1.1) CANES-Ashore Equipment - NonOrganic <sup>(2)</sup>	1	0.239	1	0.291	1	1.662	5	5.332	-	-	10	8.449
<i>Subtotal Recurring</i>		0.239		0.291		1.662		5.332		0.000		8.449
<i>Total, CANES - Ashore 5G010/5G776 MIP</i>	1	0.239	1	0.291	1	1.662	5	5.332	-	-	10	8.449
<i>Total, All Modifications</i>		0.239		0.291		1.662		5.332		0.000		8.449
<b>Support</b>												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): CANES - Ashore 5G010/5G776 MIP - 2

<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303238N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.1) CANES - Ashore Production Support (MIP)	-	0.013	-	0.015	-	0.087	-	0.281	-	-	-	0.473
2.2) CANES - Ashore Design Service Agent (MIP)	-	-	-	0.126	-	0.326	-	0.311	-	-	-	0.763
<b>Total Support Cost</b>		<b>0.013</b>		<b>0.141</b>		<b>0.413</b>		<b>0.592</b>		<b>0.000</b>		<b>1.236</b>
<b>Procurement Cost (Procurement + Support)</b>		<b>0.252</b>		<b>0.432</b>		<b>2.075</b>		<b>5.924</b>		<b>0.000</b>		<b>9.685</b>
<b>Total Installation Cost</b>		<b>0.291</b>		<b>0.361</b>		<b>0.614</b>		<b>1.993</b>		<b>0.000</b>		<b>4.355</b>
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.543</b>		<b>0.793</b>		<b>2.689</b>		<b>7.917</b>		<b>0.000</b>		<b>14.040</b>

**Remarks:**

(2)-Ashore procurement quantities are detailed as follows: Technical Training Equipment (TTE) - FY12 (1), FY13 (1), FY14 (1), FY15 (1), FY16 (0), FY17 (0); Maritime Operation Command (MOC) - FY12 (0), FY13 (0), FY14 (0), FY15 (0), FY16 (1), FY17 (5).  
 -Ashore production lead times (PLT) require one month less than Afloat PLT due to the long lead time afloat production quality racks and minimized shock and vibration requirements for shore facilities.  
 -A MOC is a fully operational system configuration. A TTE configuration is a subset of a MOC configuration. This scale difference accounts for the fluctuation in per unit costs across fiscal years commensurate with the procurement quantities outlined in note 1.  
 -Fluctuations in DSA costs are the result of TTE having no associated DSA requirements. MOC units do have associated DSA costs reflected which start in FY15 and proceed into the following years.

**Manufacturer Information: CANES - Ashore 5G010/5G776 MIP**

Manufacturer Name: Unknown				Manufacturer Location: Unknown			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 4			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Nov 2012				
Delivery Dates		Jun 2012	Mar 2013				

**Installation: CANES - Ashore 5G010/5G776 MIP**      **Method of Implementation:** [none specified]      **Installation Name:** CANES-Ashore Equipment

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	1	0.712	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	1	0.384	0	0.000	1	0.384

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2925 - CANES Intell
<b>Models of Systems Affected:</b> Consolidated Afloat Networks & Enterprise Services (CANES) MIP		<b>Modification Nomenclature</b> (Modification Title, Modification Number): CANES - Ashore 5G010/5G776 MIP - 2
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0303238N

<b>Installation:</b> CANES - Ashore 5G010/5G776 MIP	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> CANES-Ashore Equipment
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	1	0.712	1	0.384	0	0.000	1	0.384

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.712
FY 2013	-	-	-	-	-	-	-	-	-	-	1	0.384
FY 2014	1	0.291	-	-	-	-	-	-	-	-	1	0.291
FY 2015	-	-	1	0.361	-	-	-	-	-	-	1	0.361
FY 2016	-	-	-	-	1	0.614	-	-	-	-	1	0.614
FY 2017	-	-	-	-	-	-	5	1.993	-	-	5	1.993
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	0.291	1	0.361	1	0.614	5	1.993	-	-	10	4.355

Installation Schedule																															
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	4	-	-	10
Out	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	1	4	-	-	10

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment

**P-1 Line Item Nomenclature:**  
2940 - Gen Purp Elec Test Equip (GPETE)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	34.184	5.829	6.010	6.083	-	6.083	6.256	6.427	6.538	6.649	72.662	150.638
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	34.184	5.829	6.010	6.083	-	6.083	6.256	6.427	6.538	6.649	72.662	150.638
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	34.184	5.829	6.010	6.083	-	6.083	6.256	6.427	6.538	6.649	72.662	150.638

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program provides for the initial procurement and distribution of General Purpose Electronic Test Equipment (GPETE). This equipment is essential to the operational readiness of the Navy for repair, installation, and maintenance (preventive and routine) of electronic systems and equipments, both afloat and ashore. The GPETE procured must meet rigid technical requirements, be cost effective and satisfy valid deficiencies in authorized allowance.

M60001 - SIGNAL GENERATORS & ANALYZERS

M60002 - OSCILLSCPS, METERS & COUNTERS

M60003 - PROC ENGR AND DOCUMENTATION

M60000 - FIBER OPTICS, COMM ANALYZER

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Gen Purp Elec Test Equip (GPETE) (See enclosed P-40A)	P40A, P5A				34.184			5.829			6.010			6.083			0.000			6.083
<b>Total Gross/Weapon System Cost</b>				<b>34.184</b>			<b>5.829</b>			<b>6.010</b>			<b>6.083</b>			<b>-</b>			<b>6.083</b>	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment		<b>P-1 Line Item Nomenclature:</b> 2940 - Gen Purp Elec Test Equip (GPETE)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<b>Justification:</b>		

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 10					P-1 Line Item Nomenclature: 2940 - Gen Purp Elec Test Equip (GPETE)										Aggregated Item Name: Gen Purp Elec Test Equip (GPETE)				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) 69235 U.S. OBSERVATORY</b>																			
1.1) Allen Array Antennas	A	-	-	4.065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) 69235 U.S. OBSERVATORY</i>				4.065			0.000			0.000			0.000			0.000			0.000
<b>2) M6000 FIBER OPTICS</b>																			
† 2.1) FIBER OPTICS AND DATA COMM	A	-	-	2.429	9,833.33	30	0.295	10,000.00	30	0.300	10,000.00	30	0.300	-	-	-	10,000.00	30	0.300
<i>Subtotal 2) M6000 FIBER OPTICS</i>				2.429			0.295			0.300			0.300			0.000			0.300
<b>3) M6001 SIGNAL GENERATORS</b>																			
† 3.1) SIGNAL GENERATORS & ANALYZERS	A	-	-	20.166	15,854.84	186	2.949	16,000.00	186	2.976	16,000.00	186	2.976	-	-	-	16,000.00	186	2.976
<i>Subtotal 3) M6001 SIGNAL GENERATORS</i>				20.166			2.949			2.976			2.976			0.000			2.976
<b>4) M6002 OSCILLSCPS, METERS</b>																			
† 4.1) OSCILLSCPS, METERS&COUNTERS	A	-	-	4.576	3,602.09	573	2.064	4,000.00	545	2.180	4,000.00	563	2.252	-	-	-	4,000.00	563	2.252
<i>Subtotal 4) M6002 OSCILLSCPS, METERS</i>				4.576			2.064			2.180			2.252			0.000			2.252
<b>5) M6003 PROC ENGR AND DOCUMENTATION</b>																			
5.1) PROC ENGR AND DOCUMENTATION	A	-	-	2.921	-	-	0.521	-	-	0.554	-	-	0.555	-	-	-	-	-	0.555
<i>Subtotal 5) M6003 PROC ENGR AND DOCUMENTATION</i>				2.921			0.521			0.554			0.555			0.000			0.555
<b>6) WAXX ACQUISITION WORKFORCE</b>																			
6.1) ACQUISITION WORKFORCE FUNDS 2009	A	-	-	0.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2940 - Gen Purp Elec Test Equip (GPETE)	<b>Aggregated Item Name:</b> Gen Purp Elec Test Equip (GPETE)
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 6) WAXX ACQUISITION WORKFORCE				0.027			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>34.184</b>			<b>5.829</b>			<b>6.010</b>			<b>6.083</b>			<b>0.000</b>			<b>6.083</b>

**Remarks:**

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy									Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 10			P-1 Line Item Nomenclature: 2940 - Gen Purp Elec Test Equip (GPETE)						Aggregated Item Name: Gen Purp Elec Test Equip (GPETE)			
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>2) M6000 FIBER OPTICS</b>												
2.1) FIBER OPTICS AND DATA COMM		2011	NSWC / CHINA LAKE	WR	SEAL BEACH	Nov 2010	Mar 2011	30	9,833.33	Y		
2.1) FIBER OPTICS AND DATA COMM		2012	NSWC / CHINA LAKE	WR	SEAL BEACH	Nov 2011	Mar 2012	30	10,000.00	Y		
2.1) FIBER OPTICS AND DATA COMM		2013	NSWC / CHINA LAKE	WR	CHINA LAKE	Nov 2012	Mar 2013	30	10,000.00	Y		
<b>3) M6001 SIGNAL GENERATORS</b>												
3.1) SIGNAL GENERATORS & ANALYZERS		2011	NSWC / CHINA LAKE	WR	SEAL BEACH	Nov 2010	Mar 2011	186	15,854.84	Y		
3.1) SIGNAL GENERATORS & ANALYZERS		2012	NSWC / CHINA LAKE	WR	SEAL BEACH	Nov 2011	Mar 2012	186	16,000.00	Y		
3.1) SIGNAL GENERATORS & ANALYZERS		2013	NSWC / CHINA LAKE	WR	CHINA LAKE	Dec 2012	Apr 2013	186	16,000.00	Y		
<b>4) M6002 OSCILLSCPS, METERS</b>												
4.1) OSCILLSCPS, METERS&COUNTERS		2011	NSWC / CHINA LAKE	WR	SEAL BEACH	Nov 2010	Mar 2011	573	3,602.09	Y		
4.1) OSCILLSCPS, METERS&COUNTERS		2012	NSWC / CHINA LAKE	WR	SEAL BEACH	Nov 2011	Mar 2012	545	4,000.00	Y		
4.1) OSCILLSCPS, METERS&COUNTERS		2013	NSWC / CHINA LAKE	WR	CHINA LAKE	Nov 2012	Mar 2013	563	4,000.00	Y		
<b>Remarks:</b>												

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2960 - Integ Combat System Test Facility
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	26.495	4.421	4.441	4.495	-	4.495	4.534	4.581	4.658	4.739	0.000	58.364
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	26.495	4.421	4.441	4.495	-	4.495	4.534	4.581	4.658	4.739	0.000	58.364
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	26.495	4.421	4.441	4.495	-	4.495	4.534	4.581	4.658	4.739	0.000	58.364
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	1.600	1.610	1.625	-	1.625	1.565	1.630	1.559	1.563	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This program supports various Navy Integrated Combat System Test Facility (ICSTF) sites as required to support the conduct of integration and interoperability testing. Sites include, but are not limited to: Naval Surface Warfare Center (NSWC) Dahlgren, Surface Combat System Center (SCSC) Wallops Island, and NSWC Dam Neck.

The United States Navy has a requirement to fully test and certify computer programs for maturity and operational performance prior to delivery to the Fleet. Aegis and Non-Aegis ships are certified through Combat System Integration Testing (CSIT) formally known as Warfare System Integration & Interoperability Test (WSI2T). Commander, U.S. Fleet Forces Command (CFFC) provided specific direction to develop a unified modernization process, and certify all combat system baselines for integration and interoperability as an integral step in the CNO Fleet Response Plan (FRP). Various Navy facilities, serving as ICSTF, conduct the required testing in support of CVN, DDG, CG, LHD, LHA, LPD17 and LSD class ships. These sites also comprise the Navy's Distributed Engineering Plant (DEP) alliance, which performs Interoperability Assessments and Systems Engineering Events (SEEs) for deploying Strike Groups.

These facilities also provide combat system in-service support to respond to emergent Fleet problems. This capability tests and certifies new combat system baseline in a lab based environment, which has significantly reduced the cost of corrective action and shifted the burden of problem discovery away from the operator at sea.

As existing systems experience parts obsolescence, combat systems are continually updated through planned technical refresh. As these new Commercial Off the Shelf (COTS) systems are introduced, ICSTF must maintain test beds in order to accurately replicate Command, Control, Communications, Computer, Combat Systems, and Intelligence (C5I) configurations that are destined for the Fleet. In addition, new combat systems architectures are under development for new ship classes such as LCS, CVN78, DDG1000, as well as new Open Architecture (OA) variants of legacy suites. Procurement of production representative systems of these OA combat systems being delivered to operational Fleet units is critical to ensure that testing and subsequent certification of both current and newly installed combat systems in accordance with NAVSEAINST 9410.2 Naval Warfare Systems Certification Policy (NWSCP) and the FRP.

The basic procurement program outlined herein is directed at expanding various facilities capability to support CSIT. Procurement requirements are directly tied to the CSIT testing schedule and establish independence between test beds allowing for parallel certification efforts. Procurements are required to build the necessary test beds and for laboratory support equipment. This budget procures lab support equipment ensuring that various facilities are able to support the new tactical subsystems that use COTS equipment.

In addition, the basic program provides for equipment/upgrades for the Navy's Distributed Engineering Plant (DEP) needed to conduct Interoperability Assessment testing. The DEP consists of 9 land based sites networked to certify computer programs prior to their delivery to the Fleet. Interoperability Assessment testing is required for all deploying Strike Groups per the Joint Fleet Instruction.

[P40A / M8100 - Combat System Equipment]: M8100 - COMBAT SYSTEM INTEGRATION TESTING EQUIPMENT (CSIT)

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2960 - Integ Combat System Test Facility
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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**PREVIOUSLY KNOWN AS COMBAT SYSTEM EQUIPMENT**  
Procure hardware necessary for successful Combat System Integration Testing (CSIT) execution as scheduled in the NAVSEA Warfare Systems Certification Events schedule, including the following: 1) Hardware that makes up the tactical baseline to accurately replicate the ship configuration for integration and interoperability testing; 2) Hardware necessary to support integration and interoperability testing; 3) Simulation hardware, test tools, and laboratory equipment; and 4) Software and support for the modification of existing simulation software required for conduct of integration and interoperability testing.

[P40A / M8200 - Support Equipment]: M8200 - SUPPORT EQUIPMENT  
Procures hardware necessary to support integration and interoperability testing. Equipment includes simulation hardware, test tools and laboratory equipment.

[P40A / M8300 - CS Simulation]: M8300 - COMBAT SYSTEM (CS) SIMULATION  
Procure software and support for the modification of existing simulation software required for conduct of integration and interoperability testing.

[P40A / M8400 - SESEF Elec Equipment]: M8400 - SHIPBOARD ELECTRONIC SYSTEMS EVALUATION FACILITIES (SESEF) ELECTRONIC EQUIPMENT  
The Shipboard Electronic Systems Evaluation Facilities (SESEF) are Navy-owned and operated test sites. The SESEF Program mission is to provide electromagnetic system test and evaluation services to afloat and shore commands for the development of new or upgraded systems, to validate system performance following new construction and overhaul/availability, and to provide real-time assessment of material readiness in an operational environment. Providing program procurement management for test systems support for Tactical Control and Navigation (TACAN), Automated Information Management System (AIMS) MK XII Identification Friend or Foe (IFF), LINK 4A/11/16, OUTBOARD/COMBAT DF/RDF, search and fire control radars, and communication systems including secure voice. SESEFs have been used effectively to detect and isolate shipboard system deficiencies leading to maintenance action to increase ship's material readiness at the completion of construction, availabilities, during routine ship operations, and prior to deployment.

[P40A / M8500 - Interoperability Assessment Equipment]: M8500 - INTEROPERABILITY ASSESSMENT EQUIPMENT  
**PREVIOUSLY KNOWN AS DISTRIBUTED ENGINEERING PLANT (DEP)**  
Procure upgrades to support the 9 sites that comprise the Navy's DEP. Procures hardware that provides the DEP Network Operations Center (NOC) with the capability to remotely monitor, configure, and update the DEP network equipment in case the network is down or there is an equipment hang-up. Funds are also allocated for future network upgrades, to allow the DEP networks to take advantages of all of the advanced routing protocols offered, and allow the DEP to interface with other non-DEP communities using external advanced routing protocols.

[P40A / M86IN - Non-FMP Installation]: M86IN - EQUIPMENT INSTALLATION (NON FMP)  
Procures engineering and installation support for the above OP,N budget. Support includes performing test bed staging, installation, connection, switching, repair, and removal services of upgraded/tech refresh tactical, simulation and support systems in direct support of NAVSEA requirements. Provide engineering services for rapid reconfiguration to new/upgraded installations to meet requirements.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
ICSTF Program (See enclosed P-40A)	P40A				26.495			4.421			4.441			4.495			0.000			4.495
<b>Total Gross/Weapon System Cost</b>					<b>26.495</b>			<b>4.421</b>			<b>4.441</b>			<b>4.495</b>			<b>-</b>			<b>4.495</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.



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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment		<b>P-1 Line Item Nomenclature:</b> 2960 - Integ Combat System Test Facility
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<b>Justification:</b>		

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 10					P-1 Line Item Nomenclature: 2960 - Integ Combat System Test Facility										Aggregated Item Name: ICSTF Program				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) M8100 - Combat System Equipment</b>																			
1.1) OA Combat System Equipment	A	-	-	9.079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Legacy Combat System Equipment	A	-	-	7.193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) CSIT Prior Combat Support Equipment	A	-	-	-	-	-	2.733	-	-	1.900	-	-	1.907	-	-	-	-	-	1.907
<i>Subtotal 1) M8100 - Combat System Equipment</i>				16.272			2.733			1.900			1.907			0.000			1.907
<b>2) M8200 - Support Equipment</b>																			
2.1) Support Equipment	A	-	-	1.762	-	-	0.295	-	-	0.300	-	-	0.311	-	-	-	-	-	0.311
<i>Subtotal 2) M8200 - Support Equipment</i>				1.762			0.295			0.300			0.311			0.000			0.311
<b>3) M8300 - CS Simulation</b>																			
3.1) CS Simulation	A	-	-	0.861	-	-	0.145	-	-	0.146	-	-	0.155	-	-	-	-	-	0.155
<i>Subtotal 3) M8300 - CS Simulation</i>				0.861			0.145			0.146			0.155			0.000			0.155
<b>4) M8400 - SESEF Elec Equipment</b>																			
4.1) SESEF Elect Equipment	A	-	-	5.427	-	-	0.945	-	-	-	-	-	-	-	-	-	-	-	-
4.2) SESEF Electronic Equipment	A	-	-	-	-	-	-	-	-	0.945	-	-	0.943	-	-	-	-	-	0.943
<i>Subtotal 4) M8400 - SESEF Elec Equipment</i>				5.427			0.945			0.945			0.943			0.000			0.943
<b>5) M8500 - Interoperability Assessment Equipment</b>																			
5.1) Interoperability Assessment Equipment	A	-	-	0.900	-	-	0.145	-	-	0.600	-	-	0.625	-	-	-	-	-	0.625
<i>Subtotal 5) M8500 - Interoperability Assessment Equipment</i>				0.900			0.145			0.600			0.625			0.000			0.625

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2960 - Integ Combat System Test Facility **Aggregated Item Name:** ICSTF Program

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>6) M86IN - Non-FMP Installation</b>																			
6.1) M86IN - Non-FMP Installation	A	-	-	1.273	-	-	0.158	-	-	0.550	-	-	0.554	-	-	-	-	-	0.554
<i>Subtotal 6) M86IN - Non-FMP Installation</i>				1.273			0.158			0.550			0.554			0.000			0.554
<b>Total</b>				<b>26.495</b>			<b>4.421</b>			<b>4.441</b>			<b>4.495</b>			<b>0.000</b>			<b>4.495</b>

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2970 - EMI Control Instrumentation
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	109.594	6.511	4.741	4.767	-	4.767	4.750	4.796	4.882	4.978	0.000	145.019
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	109.594	6.511	4.741	4.767	-	4.767	4.750	4.796	4.882	4.978	0.000	145.019
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	109.594	6.511	4.741	4.767	-	4.767	4.750	4.796	4.882	4.978	0.000	145.019
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Electromagnetic Interference (EMI) Control Instrumentation Program is fully aligned with the CNO's Guidance for 2011, "Executing the Maritime Strategy", this program supports Focus Area #1: "Continue to be the most dominant, ready and influential naval force, globally and across all naval missions". Our Navy is a highly capable and global force and we are meeting today's most critical Combatant Commander Demands. The EMI Control Instrumentation Program provides Cradle to Grave Systems Engineering for Mission Assurance by implementing Electromagnetic Compatibility (EMC) hardware solutions and Spectrum Management (SM) software solutions. This ensures equipment, systems, and ships meet their Operational Mission Requirements and goals within their intended operational EM environment. This Program provides EMI (Hardware and Software) fixes to correct mission degrading EMI problems on deploying ships and submarines, thereby restoring combat capability and Fleet Readiness.

EMI (HARDWARE) FIXES: Procurement and installation of Electromagnetic Interference (EMI) Hardware Solutions (i.e, Fixes) will achieve Electromagnetic Compatibility (EMC) among and between shipboard electronic/electric systems and/or equipments. This will be accomplished by determining the optimal EMI fix hardware, evaluating the effectiveness of the EMI solution, then procuring and installing the required hardware with full integrated logistic support (ILS) as part of the system hardware (ECP, OA, FC, etc). The fixes may include various types of radio frequency (RF) filters, limiters, blankers, radar absorbing material (RAM) and shielding methods.

EMI (SOFTWARE) FIXES: Procurement and installation of EMI Software Fixes for platform/strike group/Area of Operation. These specific spectrum procedures (software application capabilities) and frequency management techniques (software modules) will be used to eliminate and reduce EMI when hardware solutions are unacceptable. Funds will also be used to provide engineering support to the enhancement of spectrum software applications through the procurement of models and other capabilities, including ILS for software tools/utilities/applications that correct/mitigate operational EMI.



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2970 - EMI Control Instrumentation **Aggregated Item Name:** EMI Control Instrumentation

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) MA004 EMI (HARDWARE) FIXES</b>																			
1.1) MA004 EMI (HARDWARE) FIXES	A	-	-	65.730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) MA004 EMI (HARDWARE) FIXES - N85	A	-	-	0.320	-	-	0.160	-	-	0.677	-	-	0.672	-	-	-	-	-	0.672
1.3) MA004 EMI (HARDWARE) FIXES - N86	A	-	-	0.485	-	-	0.247	-	-	0.950	-	-	0.964	-	-	-	-	-	0.964
1.4) MA004 EMI (HARDWARE) FIXES - N87	A	-	-	0.347	-	-	0.178	-	-	0.682	-	-	0.695	-	-	-	-	-	0.695
1.5) MA004 EMI (HARDWARE) FIXES N88	A	-	-	0.515	-	-	0.266	-	-	1.024	-	-	1.037	-	-	-	-	-	1.037
<i>Subtotal 1) MA004 EMI (HARDWARE) FIXES</i>				67.397			0.851			3.333			3.368			0.000			3.368
<b>2) MA104 EMI (SOFTWARE) FIXES</b>																			
2.1) MA104 EMI (SOFTWARE) FIXES - N85	A	-	-	2.076	-	-	0.640	-	-	0.168	-	-	0.168	-	-	-	-	-	0.168
2.2) MA104 EMI (SOFTWARE) FIXES - N86	A	-	-	3.105	-	-	0.986	-	-	0.237	-	-	0.241	-	-	-	-	-	0.241
2.3) MA104 EMI (SOFTWARE) FIXES - N87	A	-	-	2.223	-	-	0.710	-	-	0.171	-	-	0.174	-	-	-	-	-	0.174
2.4) MA104 EMI (SOFTWARE) FIXES - N88	A	-	-	3.328	-	-	1.066	-	-	0.256	-	-	0.259	-	-	-	-	-	0.259
2.5) MA104 EMI (SOFTWARE) FIXES - N61	A	-	-	31.465	-	-	0.458	-	-	0.576	-	-	0.557	-	-	-	-	-	0.557
<i>Subtotal 2) MA104 EMI (SOFTWARE) FIXES</i>				42.197			3.860			1.408			1.399			0.000			1.399
<b>3) MAG86 EMI (HARDWARE) FIXES</b>																			
3.1) MAG86 OCO EMI CONTROL INSTRUMENTATION/ COMBAT THEATER EMC	A	-	-	-	-	-	1.800	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2970 - EMI Control Instrumentation	<b>Aggregated Item Name:</b> EMI Control Instrumentation
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal 3) MAG86 EMI (HARDWARE) FIXES				0.000			1.800			0.000			0.000			0.000			0.000
<b>Total</b>				<b>109.594</b>			<b>6.511</b>			<b>4.741</b>			<b>4.767</b>			<b>0.000</b>			<b>4.767</b>

**Remarks:**



**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	164.836	31.563	42.416	81.755	-	81.755	87.944	83.044	79.925	86.050	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	164.836	31.563	42.416	81.755	-	81.755	87.944	83.044	79.925	86.050	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	164.836	31.563	42.416	81.755	-	81.755	87.944	83.044	79.925	86.050	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.898	1.715	1.985	-	1.985	2.517	2.153	2.051	0.859	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

AN/SPS-73(V) RADAR: The AN/SPS-73(V)12 radar systems were procured with prior year Congressional Add funding and are staged awaiting installations in all USN vessels with the exception of FFG/MHC class ships. The AN/SPS-73(V)12 systems are required for safety of navigation and will replace the aging LN-66, AN/SPS-55 and AN/SPS-64 radars as well as the non-POR AN/SPS-73(V)13 and Bridgemaster (BME) systems. These installations will eliminate the supportability issues and decreased availability being experienced with the previously installed systems. These installations are necessary to reduce the number of different Radar configurations in the fleet and are required to align with the Fleet Modernization Program (FMP) plan.

AN/SPS-49A(V)1: The Solid State Modulator (SSM) was designed to eliminate high failure rate transmitter failures in the AN/SPS-49A(V)1. Solid State Modulators have been procured with prior year dollars and are staged awaiting installation onboard AN/SPS-49A(V)1 equipped naval units. A total of thirty-two (32) SSM kits were procured (twenty-seven (27) for ships and five (5) for shore sites). Installation of SSM is planned for completion in FY 2012. An AN/SPS-49A(V)1 Medium Pulse Upgrade (MPU) kit will be procured in FY 2011 and installed in FY 2013 to upgrade LHD 1's AN/SPS-49(V)5 variant to an AN/SPS-49A(V)1 variant in support of the planned CAPSTONE upgrade.

AN/SPS-48G ROAR: Shipboard installation of the AN/SPS-48G(V)1 ROAR Radar involves replacing and updating major cabinets of the existing AN/SPS-48E 3-D Air Surveillance Radars that are found onboard Navy Aircraft Carriers and large deck Amphibious ships. Each installation is performed during a CNO scheduled shipyard availability period.

AN/SPS-74(V)2 - PERISCOPE DETECTION RADAR (PDR): Provides for the installation of the AN/SPS-74(V)2 under the Fleet Modernization Program. Planning Yard Design Services Allocation (DSA) and Advance Planning (AP) are required one (1) year prior to installation.

TACTICAL ENVIRONMENTAL PROCESSOR (TEP): TEP installations begin in FY 2012, are aligned with AEGIS Modernization, and will continue beyond the FYDP.

AN/SPY-1 RELIABILITY, MAINTAINABILITY, AND AVAILABILITY (RM&A): Installation for Sidewall Capacitor Circuit Protection and 10kW Traveling Wave Tube (TWT) Monitoring Circuits Ordnance Alterations (ORDALTS) starts in FY 2013. The RM&A improvements will be accomplished during availabilities.

**NON FMP - DC6IN**

Funding is for the installation of equipment for Land Based Test Sites for AN/SPS-49, MMSP, AN/SPS-48G ROAR, AN/SPY-1 RM&A Improvements, AN/SPS-74(V)2, and Tactical Environmental Processor (TEP).

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy</b>		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment		<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<p>[P40A / DC004 CALIBRATION STANDARDS]: These funds procure calibration equipment for intermediate and organizational maintenance levels. Test And Monitoring Systems (TAMS), which include test equipment and gauges, must be calibrated to ensure the equipment is operational, accurate and precise. Funds are used to procure Calibration Standards. Calibration Standards are equipments which ensure the accuracy of test equipment used to install, align, and maintain all navy weapons systems shore and afloat. Intermediate Maintenance Activities (IMA) mechanical standards programs provide various new and replacement calibration equipment for instrument repair and calibration shops aboard tenders and shore based intermediate maintenance activities. The shipboard gauge calibration program provides the organization maintenance level aboard ship with portable calibration equipment to provide calibration support in only specific areas of measurement. Integrated Condition Assessment System (ICAS) is a Non-Developmental Item (NDI) (Commercial-Off-The-Shelf (COTS) equipment) computer-based system that provides real-time, on-line machinery condition monitoring and failure detection, diagnosis, trending for failure prognosis and expert troubleshooting capability. ICAS is linked through data networks to other critical ship systems, such as machinery control, damage control and bridge systems to receive necessary sensory information.</p> <p>[P40A / DC019 RADAR RESTORATION AN/SPS-67 ANTENNA]: Funding in this line establishes an antenna manufacturing capability at Naval Surface Warfare Center (NSWC) Crane needed to provide additional rotatable pool antennas for the AN/SPS-67(V)3 to support the restoration of installed fleet antennas. The current number of available antennas is insufficient to support the fleet population. This has led to antennas operating in the field beyond their periodicity, resulting in decreased detection and tracking capability. A total of five (5) antennas will be procured to support the full required throughput of AN/SPS-67(V)3 antennas through the restoration pipeline. Non-recurring engineering (NRE)/re-establishment of a AN/SPS-67(V)3 antenna manufacturing capability occurs in FY 12/13 with procurements in FY 14-16.</p> <p>[P40A / DC020 DUAL BAND RADAR (DBR)]: Funding is required to establish the In-Service Engineering Agent (ISEA), Original Equipment Manufacturer (OEM) production services and support for Configuration Management. Funding also implements the DBR Life Cycle Support Plan (LCSP) and infrastructure, Diminishing Manufacturing Sources and Material Shortages (DMSMS) Plan, associated hardware and software obsolescence mod kits, procurement of Engineering Change Proposals (ECPs), associated logistics products and on-board allowance requirements to enable system operation. Production support is also required to assist with DBR Combat System Integration and Technical Documentation.</p> <p>[P40A / DC021 AN/SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)]: The Maritime Radar Processor (MRP) was developed to improve the detection of small boats/targets by USN ships. Funding in this line will be used to integrate, procure and field the MRP and to fund associated logistics documentation changes. A CNO availability is not required for installation of this Field Change.</p> <p>[P3A / DC001 - SPS-73 RADAR]: The AN/SPS-73(V) Radar provides primary navigation and surface search radar functionality as required by the USN fleet (with the exception of FFG/MHC class ships). All radars have been procured and are awaiting installation. Systems were procured with prior year Congressional Plus-Up funding. The AN/SPS-73(V)12 is the Program of Record (POR) replacement for the legacy, unsupported, and non-POR navigation/surface search radars (LN-66, AN/SPS-55/64, Bridgemaster (BME), and AN/SPS-73(V)17). Funding in this line completes technology refresh, providing design for an Engineering Change Proposal (ECP) (Field Change (F/C) 13 to the AN/SPS-73(V)12) that addresses inevitable Commercial-Off-The-Shelf (COTS) obsolescence and incorporates expanded requirements, as well as recommended fleet enhancements to ensure safety of operations. Funding is provided for procurement for the replacement (with AN/SPS-73(V)12 F/C 13) of the LPD 17 non-POR AN/SPS-73(V)13 radars which is procured as Contractor Furnished Equipment for the LPD 17 class. Funding is also required for the Maritime Radar Processor (MRP) which was developed to improve the detection of small boats/targets by USN ships. Funding in this line will be used to integrate, procure and field the MRP as part of the tech refresh Field Change and to fund associated logistics documentation changes. A CNO availability is not required for installation of this Field Change.</p> <p>[P3A / DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)]: The AN/SPS-48G 3-D Air Surveillance Radar is a follow-on to the existing AN/SPS-48E found onboard aircraft Carriers and large-deck amphibious ships. AN/SPS-48G was initiated in response to Fleet comments regarding AN/SPS-48E reliability and supportability. Replacement of the AN/SPS-48E with the AN/SPS-48G remains a high Fleet priority as it will reduce Operating and Support (O&amp;S) costs and improve Operational Availability - both factors are cited by the Fleet as unsatisfactory for the AN/SPS-48E. The goal is to replace the AN/SPS-48E as rapidly as possible so that the Fleet can realize these cost savings. Current efforts include the manufacturing of the AN/SPS-48G upgrade kits with associated production support. Engineering Change Order funding is also included to address Fleet recommended modifications/requirements.</p> <p>[P3A / DC010 - AN/SPS-49 IN-SERVICE RADARS]: This program addresses cost, reliability and maintainability issues raised by the Fleet for the AN/SPS-49(V) air search radar. This funding implemented the AN/SPS-49 Solid State Modulator (SSM) program. An upgrade to the existing LHD 1 AN/SPS-49(V)5 radar is required for interoperability with the Ship Self Defense System (SSDS) MK II, and the current AN/SPS-49(V)5 radar will not support the CAPSTONE combat system being installed onboard LHD 1. The SSM effort replaces the current Modulator to address obsolescence and Unable To Procure (UTP) issues associated with the AN/SPS-49(V) radar. This program also procures and installs an AN/SPS-49(V)1 Medium Pulse Upgrade (MPU) Kit on the existing AN/SPS-49(V)5 radar onboard LHD 1.</p>		

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 10 : Other Shore Electronic Equipment	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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[P3A / DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR)]: Funding was realigned from BLI 2040 beginning in FY13. The CVN Periscope Detection Radar, AN/SPS-74(V)2, fields a radar that provides automatic detection and discrimination of submarine periscopes using advanced algorithms enabling discrimination of periscopes from surface contacts, buoys, small boats, floating mines, etc. Funding is also for engineering efforts required to convert an Advanced Demonstration Model (ADM) produced during initial R&D efforts to provide a specific capability into a production representative model that meets all requirements of the Capability Development Document (CDD). Funding also implements and procures Engineering Change Orders (ECOs) required to reflect modifications/changes resulting from initial Fleet operations and associated Fleet feedback.

[P3A / DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)]: Provides real-time valunumeric wind profiles, convective weather detection/display, and radar refractivity assessments from AN/SPY-1 radar returns. TEP will be an adjunct processor and display, tapping radar data from weather and refractivity data, with users able to post information to Secret Internet Protocol Router (SIPR). TEP is aligned with AEGIS Modernization starting in FY12 and will continue beyond the FYDP.

[P3A / DC018 - AN/SPY-1 RM&A IMPROVEMENTS]: DC018 AN/SPY-1 RM&A IMPROVEMENTS - These Reliability, Maintainability, and Availability (RM&A) improvements are intended to reduce cascading failures, mitigate obsolescence issues, and improve reliability in support of Anti-Air Warfare (AAW) and Ballistic Missile Defense (BMD) missions while still providing AN/SPY-1 Radar Total Ownership Cost (TOC) reductions. The improvements include, but are not limited to, installation for Sidewall Capacitor Circuit Protection and 10kW Traveling Wave Tube (TWT) Monitoring Circuits Ordnance Alterations (ORDALTS) starting in FY13. AN/SPY-1 Pack Up Kits (PUKs) will consist of long lead and high failure parts which will be procured, then provided to and managed by Regional Maintenance Centers (RMCs).

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Items less than \$5 Million (See enclosed P-40A)	P40A, P5A				5.478			1.279			4.652			14.546			0.000			14.546
DC001 - SPS-73 RADAR - 1	P3A		-	-	32.907	-	-	9.714	-	-	11.812	-	-	15.664	-	-	0.000	-	-	15.664
DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR) - 2	P3A		-	-	111.407	-	-	16.805	-	-	24.402	-	-	38.089	-	-	0.000	-	-	38.089
DC010 - AN/SPS-49 IN-SERVICE RADARS - 3	P3A		-	-	15.044	-	-	2.865	-	-	0.150	-	-	0.520	-	-	0.000	-	-	0.520
DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR) - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	9.136	-	-	0.000	-	-	9.136
DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5	P3A		-	-	0.000	-	-	0.900	-	-	1.400	-	-	1.400	-	-	0.000	-	-	1.400
DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	2.400	-	-	0.000	-	-	2.400
<b>Total Gross/Weapon System Cost</b>					<b>164.836</b>			<b>31.563</b>			<b>42.416</b>			<b>81.755</b>			<b>-</b>			<b>81.755</b>

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 10 : Other Shore Electronic Equipment **P-1 Line Item Nomenclature:**  
 2980 - Items less than \$5 Million

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Items less than \$5 Million (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
DC001 - SPS-73 RADAR - 1	P3A		-	-	11.071	-	-	14.947	-	-	16.170	-	-	15.617	-	-	-	-	-	-
DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR) - 2	P3A		-	-	37.470	-	-	38.394	-	-	37.685	-	-	42.557	-	-	39.700	-	-	386.509
DC010 - AN/SPS-49 IN- SERVICE RADARS - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	18.579
DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR) - 4	P3A		-	-	16.405	-	-	9.441	-	-	7.254	-	-	4.563	-	-	11.478	-	-	58.277
DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5	P3A		-	-	1.408	-	-	1.430	-	-	1.500	-	-	1.500	-	-	4.770	-	-	14.308
DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6	P3A		-	-	9.592	-	-	6.400	-	-	1.500	-	-	1.630	-	-	1.866	-	-	23.388
<b>Total Gross/Weapon System Cost</b>					<b>87.944</b>			<b>83.044</b>			<b>79.925</b>			<b>86.050</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 10					P-1 Line Item Nomenclature: 2980 - Items less than \$5 Million					Aggregated Item Name: Items less than \$5 Million									
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) DC004 CALIBRATION STANDARDS</b>																			
† 1.1) CALIBRATION STANDARDS	A	-	-	5.478	75,240.00	17	1.279	38,910.00	99	3.852	57,000.00	62	3.534	-	-	-	57,000.00	62	3.534
<i>Subtotal 1) DC004 CALIBRATION STANDARDS</i>				5.478			1.279			3.852			3.534			0.000			3.534
<b>2) DC019 RADAR RESTORATION AN/ SPS-67 ANTENNA</b>																			
2.1) HARDWARE	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) OTHER	A	-	-	-	-	-	-	-	-	0.800	-	-	0.700	-	-	-	-	-	0.700
<i>Subtotal 2) DC019 RADAR RESTORATION AN/ SPS-67 ANTENNA</i>				0.000			0.000			0.800			0.700			0.000			0.700
<b>3) DC020 DUAL BAND RADAR (DBR)</b>																			
3.1) DBR ENGINEERING CHANGE PROPOSALS (ECPS)	A	-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
3.2) DBR PRODUCTION SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	3.900	-	-	-	-	-	3.900
<i>Subtotal 3) DC020 DUAL BAND RADAR (DBR)</i>				0.000			0.000			0.000			4.900			0.000			4.900
<b>4) DC021 AN/ SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)</b>																			
4.1) AN/ SPS-67(V)5 MARITIME RADAR PROCESSOR	A	-	-	-	-	-	-	-	-	-	-	-	3.292	-	-	-	-	-	3.292
<i>Subtotal 4) DC021 AN/ SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)</i>				0.000			0.000			0.000			3.292			0.000			3.292
<b>5) DC-012 AN/ SPS-74(V)2 Periscope Detection Radar</b>																			

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 10 **P-1 Line Item Nomenclature:** 2980 - Items less than \$5 Million **Aggregated Item Name:** Items less than \$5 Million

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
5.1) Hardware - FMP	A	-	-	-	-	-	-	-	-	-	-	-	1.220	-	-	-	-	-	1.220
5.2) Hardware - Non FMP	A	-	-	-	-	-	-	-	-	-	-	-	0.900	-	-	-	-	-	0.900
<i>Subtotal 5) DC-012 AN/SPS-74(V)2 Periscope Detection Radar</i>				0.000			0.000			0.000			2.120			0.000			2.120
<b>Total</b>				<b>5.478</b>			<b>1.279</b>			<b>4.652</b>			<b>14.546</b>			<b>0.000</b>			<b>14.546</b>

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 10					P-1 Line Item Nomenclature: 2980 - Items less than \$5 Million					Aggregated Item Name: Items less than \$5 Million									
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) DC004 CALIBRATION STANDARDS</b>																			
† 1.1) CALIBRATION STANDARDS	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) DC004 CALIBRATION STANDARDS				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) DC019 RADAR RESTORATION AN/SPS-67 ANTENNA</b>																			
2.1) HARDWARE	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) OTHER	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) DC019 RADAR RESTORATION AN/SPS-67 ANTENNA				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) DC020 DUAL BAND RADAR (DBR)</b>																			
3.1) DBR ENGINEERING CHANGE PROPOSALS (ECPS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) DBR PRODUCTION SUPPORT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) DC020 DUAL BAND RADAR (DBR)				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) DC021 AN/SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)</b>																			
4.1) AN/SPS-67(V)5 MARITIME RADAR PROCESSOR	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) DC021 AN/SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) DC-012 AN/SPS-74(V)2 Periscope Detection Radar</b>																			

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Aggregated Item Name:</b> Items less than \$5 Million
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Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
5.1) Hardware - FMP	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) Hardware - Non FMP	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) DC-012 AN/SPS-74(V)2 Periscope Detection Radar</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**



**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Aggregated Item Name:</b> Items less than \$5 Million
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) DC004 CALIBRATION STANDARDS</b>												
1.1) CALIBRATION STANDARDS		2011	VARIOUS / VARIOUS	Various	WASHINGTON NAVY YARD	Nov 2010	Mar 2011	17	75,240.00	Y		
1.1) CALIBRATION STANDARDS		2012	VARIOUS / VARIOUS	Various	WASHINGTON NAVY YARD	Nov 2011	Mar 2012	99	38,910.00	Y		
1.1) CALIBRATION STANDARDS		2013	VARIOUS / VARIOUS	Various	WASHINGTON NAVY YARD	Nov 2012	Mar 2013	62	57,000.00	Y		

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10			<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC001 - SPS-73 RADAR - 1					
<b>Models of Systems Affected:</b> AN/SPS-73			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0604501N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	32.907	9.714	11.812	15.664	0.000	15.664	11.071	14.947	16.170	15.617	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	32.907	9.714	11.812	15.664	0.000	15.664	11.071	14.947	16.170	15.617	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>32.907</b>	<b>9.714</b>	<b>11.812</b>	<b>15.664</b>	<b>0.000</b>	<b>15.664</b>	<b>11.071</b>	<b>14.947</b>	<b>16.170</b>	<b>15.617</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The AN/SPS-73(V)12 Program Of Record (POR) radar systems were procured with prior year Congressional Plus Up funding and are staged awaiting installations in all USN vessels with the exception of FFG/MHC class ships. The SPS-73(V)12 systems are required for safety of navigation to replace the aging LN-66, AN/SPS-55 and AN/SPS-64 radars, as well as the non-POR AN/SPS-73(V)17 and Bridgemaster (BME) systems. These installations are imperative to eliminate the supportability issues and decreased availability being experienced with the previously installed systems. These installations are also necessary to reduce the number of radar configurations in the fleet and are required to align with the Fleet Modernization Program (FMP) plan.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> DC001 - SPS-73 RADAR - 1

<b>Models of Systems Affected:</b> AN/SPS-73	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
DC001 - SPS-73 RADAR												
B Kits												
Recurring												
1.1.1) SPS-73 TECH REFRESH KITS - NonOrganic	83	19.607	-	5.865	-	7.914	-	7.463	-	-	-	7.463
<i>Subtotal Recurring</i>		19.607		5.865		7.914		7.463		0.000		7.463
<i>Total, DC001 - SPS-73 RADAR</i>	83	19.607	-	5.865	-	7.914	-	7.463	-	-	-	7.463
<i>Total, All Modifications</i>		19.607		5.865		7.914		7.463		0.000		7.463
<i>Procurement Cost (Procurement + Support)</i>		19.607		5.865		7.914		7.463		0.000		7.463
<i>Total Installation Cost</i>		13.300		3.849		3.898		8.201		0.000		8.201
<b>Total Cost (Procurement + Support + Installation)</b>		<b>32.907</b>		<b>9.714</b>		<b>11.812</b>		<b>15.664</b>		<b>0.000</b>		<b>15.664</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
DC001 - SPS-73 RADAR												
B Kits												
Recurring												
1.1.1) SPS-73 TECH REFRESH KITS - NonOrganic	-	11.071	-	14.947	-	16.170	-	15.617	Continuing	Continuing	Continuing	Continuing
<i>Subtotal Recurring</i>		11.071		14.947		16.170		15.617		0.000		0.000
<i>Total, DC001 - SPS-73 RADAR</i>	-	11.071	-	14.947	-	16.170	-	15.617	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		11.071		14.947		16.170		15.617		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		11.071		14.947		16.170		15.617		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		29.248
<b>Total Cost (Procurement + Support + Installation)</b>		<b>11.071</b>		<b>14.947</b>		<b>16.170</b>		<b>15.617</b>		<b>0.000</b>		<b>29.248</b>

<b>Remarks:</b>	
<b>Manufacturer Information: DC001 - SPS-73 RADAR</b>	
Manufacturer Name: Raytheon	Manufacturer Location: Portsmouth, RI

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC001 - SPS-73 RADAR - 1

<b>Models of Systems Affected:</b> AN/SPS-73	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Manufacturer Information:</b> DC001 - SPS-73 RADAR							
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Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 12			
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates							
Delivery Dates							

<b>Installation:</b> DC001 - SPS-73 RADAR	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> SPS-73 TECH REFRESH KITS
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	41	13.300	11	3.849	10	3.898	21	8.201	0	0.000	21	8.201
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	41	13.300	11	3.849	10	3.898	21	8.201	0	0.000	21	8.201

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	83	29.248
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million
<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC001 - SPS-73 RADAR - 1		

<b>Models of Systems Affected:</b> AN/SPS-73	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC001 - SPS-73 RADAR	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> SPS-73 TECH REFRESH KITS
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	83	29,248

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	41	-	-	4	7	-	-	3	7	-	2	3	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83
Out	41	-	-	4	7	-	-	3	7	-	2	3	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> DC009 - AN/SPS-48G RADAR OBSCOLESCENCE AND AVAILABILITY RECOVERY (ROAR) - 2

<b>Models of Systems Affected:</b> AN/SPS-48G	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	111.407	16.805	24.402	38.089	0.000	38.089	37.470	38.394	37.685	42.557	39.700	386.509
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	111.407	16.805	24.402	38.089	0.000	38.089	37.470	38.394	37.685	42.557	39.700	386.509
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>111.407</b>	<b>16.805</b>	<b>24.402</b>	<b>38.089</b>	<b>0.000</b>	<b>38.089</b>	<b>37.470</b>	<b>38.394</b>	<b>37.685</b>	<b>42.557</b>	<b>39.700</b>	<b>386.509</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The AN/SPS-48G ROAR Radar replaces and updates major cabinets of the existing AN/SPS-48E 3-D Air Surveillance Radar found onboard aircraft carriers and large-deck amphibious ships. The AN/SPS-48G Radar will not enter the Fleet Service until FY12. Equipment Nonrecurring is for initial shipboard integration and at-sea Performance/Characterization Testing. FY13-FY17 Engineering Change Proposal funding is to incorporate High Diver detection and tracking, as well as operations of the AN/SPS-48G within the LPD 17 Advanced Enclosed Mast System.

[AN/SPS-48G HARDWARE - FMP]

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10				<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR) - 2					
<b>Models of Systems Affected:</b> AN/SPS-48G			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b> 0604501N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)													
B Kits													
Recurring													
1.1.1) AN/SPS-48G HARDWARE - FMP - NonOrganic	8	50.752	-	-	1	9.000	3	20.700	-	-	3	20.700	
1.1.2) EQUIPMENT NONRECURRING - Organic	-	-	-	5.787	-	4.402	-	1.002	-	-	-	1.002	
1.1.3) ENGINEERING CHANGE PROPOSALS - Organic	-	-	-	-	-	-	-	5.200	-	-	-	5.200	
1.1.4) ENGINEERING CHANGE ORDERS - Organic	-	40.300	-	2.200	-	2.200	-	2.300	-	-	-	2.300	
1.1.5) AN/SPS-48G HARDWARE - NON-FMP - NonOrganic	1	6.355	1	6.618	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		97.407		14.605		15.602		29.202		0.000		29.202	
<i>Total, DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)</i>	9	97.407	1	14.605	1	15.602	3	29.202	-	-	3	29.202	
<i>Total, All Modifications</i>		97.407		14.605		15.602		29.202		0.000		29.202	
<b>Support</b>													
2.1) PRODUCTION SUPPORT	-	9.600	-	2.200	-	2.200	-	2.300	-	-	-	2.300	
<i>Total Support Cost</i>		9.600		2.200		2.200		2.300		0.000		2.300	
<i>Procurement Cost (Procurement + Support)</i>		107.007		16.805		17.802		31.502		0.000		31.502	
<i>Total Installation Cost</i>		4.400		0.000		6.600		6.587		0.000		6.587	
<b>Total Cost (Procurement + Support + Installation)</b>		111.407		16.805		24.402		38.089		0.000		38.089	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)													
B Kits													

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR) - 2

<b>Models of Systems Affected:</b> AN/SPS-48G	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Recurring												
1.1.1) AN/SPS-48G HARDWARE - FMP - NonOrganic	3	21.975	4	30.000	2	18.900	2	16.008	2	20.300	25	187.635
1.1.2) EQUIPMENT NONRECURRING - Organic	-	-	-	-	-	-	-	-	-	-	-	11.191
1.1.3) ENGINEERING CHANGE PROPOSALS - Organic	-	4.600	-	2.300	-	1.500	-	1.500	-	-	-	15.100
1.1.4) ENGINEERING CHANGE ORDERS - Organic	-	2.050	-	2.085	-	4.000	-	2.445	-	-	-	57.580
1.1.5) AN/SPS-48G HARDWARE - NON-FMP - NonOrganic	-	-	-	-	-	-	1	8.004	-	-	3	20.977
<i>Subtotal Recurring</i>		28.625		34.385		24.400		27.957		20.300		292.483
<i>Total, DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)</i>	3	28.625	4	34.385	2	24.400	3	27.957	2	20.300	28	292.483
<i>Total, All Modifications</i>		28.625		34.385		24.400		27.957		20.300		292.483
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	1.945	-	1.675	-	3.785	-	2.600	-	2.700	-	29.005
<i>Total Support Cost</i>		1.945		1.675		3.785		2.600		2.700		29.005
<i>Procurement Cost (Procurement + Support)</i>		30.570		36.060		28.185		30.557		23.000		321.488
<i>Total Installation Cost</i>		6.900		2.334		9.500		12.000		16.700		65.021
<b>Total Cost (Procurement + Support + Installation)</b>		37.470		38.394		37.685		42.557		39.700		386.509

**Remarks:**  
**Manufacturer Information: DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)**

Manufacturer Name: ITT/Excelis				Manufacturer Location: VAN NUYS, CA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 24			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Apr 2011	Apr 2012	Apr 2013				
Delivery Dates	Apr 2013	Apr 2014	Apr 2015				



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR) - 2

<b>Models of Systems Affected:</b> AN/SPS-48G	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> AN/SPS-48G HARDWARE - FMP
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	2.200	-	-	3	6.600	2	4.400	0	0.000	2	4.400
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>2.200</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>6.600</b>	<b>2</b>	<b>4.400</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>4.400</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	2	4.600	-	-	-	-	-	-	-	-	8	17.800
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	1	2.300	-	-	-	-	-	-	-	-	1	2.300
FY 2013	-	-	1	2.334	2	4.750	-	-	-	-	3	7.084
FY 2014	-	-	-	-	2	4.750	1	2.400	-	-	3	7.150
FY 2015	-	-	-	-	-	-	4	9.600	-	-	4	9.600
FY 2016	-	-	-	-	-	-	-	-	2	4.800	2	4.800
FY 2017	-	-	-	-	-	-	-	-	2	4.800	2	4.800
To Complete	-	-	-	-	-	-	-	-	2	4.700	2	4.700
<b>Total</b>	<b>3</b>	<b>6.900</b>	<b>1</b>	<b>2.334</b>	<b>4</b>	<b>9.500</b>	<b>5</b>	<b>12.000</b>	<b>6</b>	<b>14.300</b>	<b>25</b>	<b>58.234</b>

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR) - 2

<b>Models of Systems Affected:</b> AN/SPS-48G	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> AN/SPS-48G HARDWARE - FMP
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	1	1	2	-	-	1	1	-	1	1	1	-	-	1	-	-	2	2	-	-	1	-	4	6	25
Out	-	-	-	-	-	-	-	-	-	2	1	1	-	-	2	-	1	-	2	-	-	1	-	2	1	1	-	1	-	10	25

<b>Installation:</b> DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> AN/SPS-48G HARDWARE - NON-FMP
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	1	2.200	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	1	2.187	0	0.000	1	2.187
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>2.200</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>2.187</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>2.187</b>

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	1	2.200
FY 2011	-	-	-	-	-	-	-	-	-	-	1	2.187
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR) - 2

<b>Models of Systems Affected:</b> AN/SPS-48G	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> AN/SPS-48G HARDWARE - NON-FMP
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	1	2.400	1	2.400
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	1	2.400	3	6.787

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
Out	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC010 - AN/SPS-49 IN-SERVICE RADARS - 3

<b>Models of Systems Affected:</b> AN/SPS-49	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	15.044	2.865	0.150	0.520	0.000	0.520	0.000	0.000	0.000	0.000	0.000	18.579
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	15.044	2.865	0.150	0.520	0.000	0.520	0.000	0.000	0.000	0.000	0.000	18.579
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>15.044</b>	<b>2.865</b>	<b>0.150</b>	<b>0.520</b>	<b>0.000</b>	<b>0.520</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>18.579</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Installation of the AN/SPS-49A(V) 1 Solid State Modulator to eliminate high failure rate transmitter failures. Installation of one AN/SPS-49(V)1 Medium Pulse Upgrade Kit for LHD 1's planned AN/SPS-49(V)5 variant to AN/SPS-49A(V)1 variant upgrade.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC010 - AN/SPS-49 IN-SERVICE RADARS - 3

<b>Models of Systems Affected:</b> AN/SPS-49	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
DC010 - AN/SPS-49 IN-SERVICE RADARS												
B Kits												
Recurring												
1.1.1) HARDWARE - FMP - NonOrganic	27	5.066	1	2.415	-	-	-	-	-	-	-	-
1.1.2) OTHER - Organic	-	3.340	-	-	-	-	-	-	-	-	-	-
1.1.3) HARDWARE - NON-FMP - NonOrganic	5	0.938	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		9.344		2.415		0.000		0.000		0.000		0.000
<i>Total, DC010 - AN/SPS-49 IN-SERVICE RADARS</i>	32	9.344	1	2.415	-	-	-	-	-	-	-	-
<i>Total, All Modifications</i>		9.344		2.415		0.000		0.000		0.000		0.000
<b>Support</b>												
2.1) New Cost Element.	-	0.000	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		9.344		2.415		0.000		0.000		0.000		0.000
<i>Total Installation Cost</i>		5.700		0.450		0.150		0.520		0.000		0.520
<b>Total Cost (Procurement + Support + Installation)</b>		<b>15.044</b>		<b>2.865</b>		<b>0.150</b>		<b>0.520</b>		<b>0.000</b>		<b>0.520</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
DC010 - AN/SPS-49 IN-SERVICE RADARS												
B Kits												
Recurring												
1.1.1) HARDWARE - FMP - NonOrganic	-	-	-	-	-	-	-	-	-	-	28	7.481
1.1.2) OTHER - Organic	-	-	-	-	-	-	-	-	-	-	-	3.340
1.1.3) HARDWARE - NON-FMP - NonOrganic	-	-	-	-	-	-	-	-	-	-	5	0.938
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		11.759
<i>Total, DC010 - AN/SPS-49 IN-SERVICE RADARS</i>	-	-	-	-	-	-	-	-	-	-	33	11.759

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC010 - AN/SPS-49 IN-SERVICE RADARS - 3

<b>Models of Systems Affected:</b> AN/SPS-49	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		11.759
<b>Support</b>												
2.1) New Cost Element.	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		11.759
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		6.820
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		18.579

**Remarks:**

**Manufacturer Information: DC010 - AN/SPS-49 IN-SERVICE RADARS**

Manufacturer Name: POLARITY, INC	Manufacturer Location: RANCHO CORDOVA, CA
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 24

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Aug 2011						
Delivery Dates	Aug 2013						

**Installation: DC010 - AN/SPS-49 IN-SERVICE RADARS**

<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> HARDWARE - FMP
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	15	5.300	9	0.450	3	0.150	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	1	0.520	0	0.000	1	0.520
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million
<b>Modification Nomenclature</b> (Modification Title, Modification Number): DC010 - AN/SPS-49 IN-SERVICE RADARS - 3		

<b>Models of Systems Affected:</b> AN/SPS-49	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC010 - AN/SPS-49 IN-SERVICE RADARS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> HARDWARE - FMP
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	15	5.300	9	0.450	3	0.150	1	0.520	0	0.000	1	0.520

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	27	5.900
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.520
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	28	6.420

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	15	2	3	3	1	2	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
Out	15	2	3	3	1	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28

<b>Installation:</b> DC010 - AN/SPS-49 IN-SERVICE RADARS		<b>Method of Implementation:</b> [none specified]						<b>Installation Name:</b> HARDWARE - NON-FMP					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
All Prior Years	5	0.400	-	-	-	-	-	-	-	-	-	-	
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-	

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC010 - AN/SPS-49 IN-SERVICE RADARS - 3

<b>Models of Systems Affected:</b> AN/SPS-49	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC010 - AN/SPS-49 IN-SERVICE RADARS	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> HARDWARE - NON-FMP
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	5	0.400	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	5	0.400
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	5	0.400

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR) - 4

<b>Models of Systems Affected:</b> AN/SPS-74(V)2	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	9.136	0.000	9.136	16.405	9.441	7.254	4.563	11.478	58.277
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	9.136	0.000	9.136	16.405	9.441	7.254	4.563	11.478	58.277
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>9.136</b>	<b>0.000</b>	<b>9.136</b>	<b>16.405</b>	<b>9.441</b>	<b>7.254</b>	<b>4.563</b>	<b>11.478</b>	<b>58.277</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Funding was realigned from BLI 2040 beginning in FY13. The CVN Periscope Detection Radar, AN/SPS-74(V)2, fields a radar that provides automatic detection and discrimination of submarine periscopes using advanced algorithms enabling discrimination of periscopes from surface contacts, buoys, small boats, floating mines, etc. Funding is also for engineering efforts required to convert an Advanced Demonstration Model (ADM) produced during initial R&D efforts to provide a specific capability into a production representative model that meets all requirements of the Capability Development Document (CDD). Funding also implements and procures Engineering Change Orders (ECOs) required to reflect modifications/changes resulting from initial Fleet operations and associated Fleet feedback.

[HARDWARE - FMP] Funding was realigned from BLI 2040 beginning in FY13. The CVN Periscope Detection Radar, AN/SPS-74(V)2, fields a radar that provides automatic detection and discrimination of submarine periscopes using advanced algorithms enabling discrimination of periscopes from surface contacts, buoys, small boats, floating mines, etc. Funding is also for engineering efforts required to convert an Advanced Demonstration Model (ADM) produced during initial R&D efforts to provide a specific capability into a production representative model that meets all requirements of the Capability Development Document (CDD). Funding also implements and procures Engineering Change Orders (ECOs) required to reflect modifications/changes resulting from initial Fleet operations and associated Fleet feedback.

[HARDWARE - NON-FMP] Funding is to procure one (1) shore site AN/SPS-74 (V)2 Periscope Detection Radar system. The system was procured in FY12 under BLI 2040, and will be installed in this budget.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR) - 4

<b>Models of Systems Affected:</b> AN/SPS-74(V)2	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR)												
B Kits												
Recurring												
1.1.1) HARDWARE - FMP - NonOrganic <sup>(1)</sup>	-	-	-	-	-	-	2	6.528	-	-	2	6.528
1.1.3) ENGINEERING CHANGE ORDERS/ECPS - Organic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		0.000		6.528		0.000		6.528
<i>Total, DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR)</i>	-	-	-	-	-	-	2	6.528	-	-	2	6.528
<i>Total, All Modifications</i>		0.000		0.000		0.000		6.528		0.000		6.528
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	-	-	-	-	-	-	1.098	-	-	-	1.098
<i>Total Support Cost</i>		0.000		0.000		0.000		1.098		0.000		1.098
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		7.626		0.000		7.626
<i>Total Installation Cost</i>		0.000		0.000		0.000		1.510		0.000		1.510
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>9.136</b>		<b>0.000</b>		<b>9.136</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR)												
B Kits												
Recurring												
1.1.1) HARDWARE - FMP - NonOrganic <sup>(1)</sup>	3	9.930	1	3.714	1	3.789	-	-	2	7.806	9	31.767
1.1.3) ENGINEERING CHANGE ORDERS/ECPS - Organic	-	1.052	-	0.830	-	0.840	-	2.786	-	-	-	5.508
<i>Subtotal Recurring</i>		10.982		4.544		4.629		2.786		7.806		37.275
<i>Total, DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR)</i>	3	10.982	1	4.544	1	4.629	-	2.786	2	7.806	9	37.275
<i>Total, All Modifications</i>		10.982		4.544		4.629		2.786		7.806		37.275

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR) - 4

<b>Models of Systems Affected:</b> AN/SPS-74(V)2	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	0.700	-	0.440	-	0.460	-	0.600	-	-	-	3.298
<i>Total Support Cost</i>		0.700		0.440		0.460		0.600		0.000		3.298
<i>Procurement Cost (Procurement + Support)</i>		11.682		4.984		5.089		3.386		7.806		40.573
<i>Total Installation Cost</i>		4.723		4.457		2.165		1.177		3.672		17.704
<b>Total Cost (Procurement + Support + Installation)</b>		<b>16.405</b>		<b>9.441</b>		<b>7.254</b>		<b>4.563</b>		<b>11.478</b>		<b>58.277</b>

**Remarks:**  
<sup>(1)</sup>FMP: AN/SPS-74(V)2, Periscope Detection Radar (PDR) funding was realigned from BLI 2980 beginning in FY13. One system was procured in FY12 under BLI 2040 and will be installed in this budget.

**Manufacturer Information: DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR)**

Manufacturer Name: 3 PHOENIX				Manufacturer Location: CHANTILLY, VA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 13			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Jan 2013				
Delivery Dates			Feb 2014				

**Installation: DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR)**

<b>Method of Implementation:</b> AIT			<b>Installation Name:</b> HARDWARE - FMP									
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	0	1.510	0	0.000	0	1.510
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million
		<b>Modification Nomenclature</b> (Modification Title, Modification Number): DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR) - 4

<b>Models of Systems Affected:</b> AN/SPS-74(V)2	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC012 - AN/SPS-74(V)2 PERISCOPE DETECTION RADAR (PDR)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> HARDWARE - FMP
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	0	1.510	0	0.000	0	1.510

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	2	2.223	-	-	-	-	-	-	-	-	2	3.733
FY 2014	0	2.500	3	3.357	-	-	-	-	-	-	3	5.857
FY 2015	-	-	0	1.100	1	1.265	-	-	-	-	1	2.365
FY 2016	-	-	-	-	0	0.900	1	1.177	-	-	1	2.077
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	2	3.672	2	3.672
<b>Total</b>	2	4.723	3	4.457	1	2.165	1	1.177	2	3.672	9	17.704

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1	1	-	-	1	-	-	-	1	-	2	9
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	1	-	-	1	-	-	-	1	2	9

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5

<b>Models of Systems Affected:</b> TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.900	1.400	1.400	0.000	1.400	1.408	1.430	1.500	1.500	4.770	14.308
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.900	1.400	1.400	0.000	1.400	1.408	1.430	1.500	1.500	4.770	14.308
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.900</b>	<b>1.400</b>	<b>1.400</b>	<b>0.000</b>	<b>1.400</b>	<b>1.408</b>	<b>1.430</b>	<b>1.500</b>	<b>1.500</b>	<b>4.770</b>	<b>14.308</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides real-time valunumeric wind profiles, convective weather detection/display, and radar refractivity assessments from AN/SPY-1 radar returns. TEP will be an adjunct processor and display, tapping radar data from weather and refractivity data, with users able to post information to Secret Internet Protocol Router (SIPR). TEP installations begin in FY12, are aligned with AEGIS Modernization starting in FY12 and will continue beyond the FYDP.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5

<b>Models of Systems Affected:</b> TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)												
B Kits												
Recurring												
1.1.1) DDG HARDWARE - FMP - NonOrganic	-	-	1	0.345	2	0.307	1	0.156	-	-	1	0.156
1.1.2) DDG COTS REFRESH - Organic	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) PRODUCTION SUPPORT - Organic	-	-	-	0.555	-	0.339	-	0.153	-	-	-	0.153
1.1.4) CG HARDWARE - FMP - NonOrganic <sup>(2)</sup>	-	-	-	-	-	-	3	0.677	-	-	3	0.677
1.1.5) CG COTS REFRESH - Organic	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) TEP SHORE SITES HARDWARE - NonOrganic	-	-	-	-	3	0.652	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.900		1.298		0.986		0.000		0.986
<i>Total, DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)</i>	-	-	1	0.900	5	1.298	4	0.986	-	-	4	0.986
<i>Total, All Modifications</i>		0.000		0.900		1.298		0.986		0.000		0.986
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.900		1.298		0.986		0.000		0.986
<i>Total Installation Cost</i>		0.000		0.000		0.102		0.414		0.000		0.414
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.900</b>		<b>1.400</b>		<b>1.400</b>		<b>0.000</b>		<b>1.400</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)												
B Kits												
Recurring												
1.1.1) DDG HARDWARE - FMP - NonOrganic	4	0.634	3	0.484	4	0.656	3	0.501	16	2.670	34	5.753
1.1.2) DDG COTS REFRESH - Organic	-	-	-	0.085	-	0.240	-	0.300	-	-	-	0.625
1.1.3) PRODUCTION SUPPORT - Organic	-	0.179	-	0.434	-	0.278	-	0.077	-	-	-	2.015

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5

<b>Models of Systems Affected:</b> TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1.1.4) CG HARDWARE - FMP - NonOrganic <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	3	0.677
1.1.5) CG COTS REFRESH - Organic	-	-	-	-	-	-	-	0.180	-	-	-	0.180
1.1.6) TEP SHORE SITES HARDWARE - NonOrganic	-	-	-	-	-	-	-	-	-	-	3	0.652
<i>Subtotal Recurring</i>		0.813		1.003		1.174		1.058		2.670		9.902
<i>Total, DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)</i>	4	0.813	3	1.003	4	1.174	3	1.058	16	2.670	40	9.902
<i>Total, All Modifications</i>		0.813		1.003		1.174		1.058		2.670		9.902
<i>Procurement Cost (Procurement + Support)</i>		0.813		1.003		1.174		1.058		2.670		9.902
<i>Total Installation Cost</i>		0.595		0.427		0.326		0.442		2.100		4.406
<b>Total Cost (Procurement + Support + Installation)</b>		1.408		1.430		1.500		1.500		4.770		14.308

**Remarks:**

<sup>(2)</sup>Provides real-time valunumeric wind profiles, convective weather detection/display, and radar refractivity assessments from AN/SPY-1 radar returns. TEP will be an adjunct processor and display, tapping radar data from weather and refractivity data, with users able to post information to Secret Internet Protocol Router (SIPR). TEP installations begin in FY12 and are aligned with AEGIS Modernization starting in FY12 and will continue beyond the FYDP.

<b>Manufacturer Information: DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)</b>							
Manufacturer Name: BASIC COMMERCE AND INDUSTRIES, INC				Manufacturer Location: MOORESTOWN, NJ			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 13			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Jun 2011	Jan 2012	Dec 2012				
Delivery Dates	Jul 2012	Feb 2013	Jan 2014				

<b>Installation:</b> DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)		<b>Method of Implementation:</b> AIT					<b>Installation Name:</b> DDG HARDWARE - FMP					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	1	0.102	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5

<b>Models of Systems Affected:</b> TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> DDG HARDWARE - FMP
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2012	-	-	-	-	-	-	2	0.207	0	0.000	2	0.207
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	1	0.102	2	0.207	0	0.000	2	0.207

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.102
FY 2012	-	-	-	-	-	-	-	-	-	-	2	0.207
FY 2013	1	0.105	-	-	-	-	-	-	-	-	1	0.105
FY 2014	-	-	4	0.427	-	-	-	-	-	-	4	0.427
FY 2015	-	-	-	-	3	0.326	-	-	-	-	3	0.326
FY 2016	-	-	-	-	-	-	4	0.442	-	-	4	0.442
FY 2017	-	-	-	-	-	-	-	-	3	0.300	3	0.300
To Complete	-	-	-	-	-	-	-	-	16	1.800	16	1.800
<b>Total</b>	1	0.105	4	0.427	3	0.326	4	0.442	19	2.100	34	3.709



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5

<b>Models of Systems Affected:</b> TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> DDG HARDWARE - FMP
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Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	1	-	2	1	1	-	-	1	2	1	-	1	2	19	34
Out	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	1	1	1	1	1	1	1	-	2	-	1	21	34

<b>Installation:</b> DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> CG HARDWARE - FMP
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	3	0.388	-	-	-	-	-	-	-	-	3	0.388

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5

<b>Models of Systems Affected:</b> TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> CG HARDWARE - FMP
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3</b>	<b>0.388</b>	-	-	-	-	-	-	-	-	<b>3</b>	<b>0.388</b>

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-

<b>Installation:</b> DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TEP SHORE SITES HARDWARE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	0.207	0	0.000	2	0.207
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP) - 5

<b>Models of Systems Affected:</b> TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> TEP SHORE SITES HARDWARE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	2	0.207	0	0.000	2	0.207

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	1	0.102	-	-	-	-	-	-	-	-	3	0.309
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	0.102	-	-	-	-	-	-	-	-	3	0.309

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
Out	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3		

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6

<b>Models of Systems Affected:</b> AN/SPY-1 RM&A IMPROVEMENTS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	2.400	0.000	2.400	9.592	6.400	1.500	1.630	1.866	23.388
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	2.400	0.000	2.400	9.592	6.400	1.500	1.630	1.866	23.388
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2.400</b>	<b>0.000</b>	<b>2.400</b>	<b>9.592</b>	<b>6.400</b>	<b>1.500</b>	<b>1.630</b>	<b>1.866</b>	<b>23.388</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

These Reliability, Maintainability, and Availability (RM&A) improvements are intended to reduce cascading failures, mitigate obsolescence issues, and improve reliability in support of Anti-Air Warfare (AAW) and Ballistic Missile Defense (BMD) missions while still providing AN/SPY-1 Radar Total Ownership Cost (TOC) reductions. The improvements include, but are not limited to, installation for Sidewall Capacitor Circuit Protection and 10kW Traveling Wave Tube (TWT) Monitoring Circuits Ordnance Alterations (ORDALTS) starting in FY13. AN/SPY-1 Pack Up Kits (PUKs) will consist of long lead and high failure parts which will be procured, then provided to and managed by Regional Maintenance Centers (RMCs).

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6

<b>Models of Systems Affected:</b> AN/SPY-1 RM&A IMPROVEMENTS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
DC018 - AN/SPY-1 RM&A IMPROVEMENTS												
B Kits												
Recurring												
1.1.1) SIDEWALL AND 10KW TWT DDG HARDWARE - NonOrganic	-	-	-	-	-	-	6	1.164	-	-	6	1.164
1.1.2) PACK UP KITS - Organic	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) PRODUCTION SUPPORT - Organic	-	-	-	-	-	-	-	0.288	-	-	-	0.288
1.1.4) SIDEWALL AND 10KW TWT CG HARDWARE - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) SIDEWALL AND 10KW TWT SHORE SITE HARDWARE - NonOrganic	-	-	-	-	-	-	4	0.776	-	-	4	0.776
<i>Subtotal Recurring</i>		0.000		0.000		0.000		2.228		0.000		2.228
<i>Total, DC018 - AN/SPY-1 RM&amp;A IMPROVEMENTS</i>	-	-	-	-	-	-	10	2.228	-	-	10	2.228
<i>Total, All Modifications</i>		0.000		0.000		0.000		2.228		0.000		2.228
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		2.228		0.000		2.228
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.172		0.000		0.172
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>2.400</b>		<b>0.000</b>		<b>2.400</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
DC018 - AN/SPY-1 RM&A IMPROVEMENTS												
B Kits												
Recurring												
1.1.1) SIDEWALL AND 10KW TWT DDG HARDWARE - NonOrganic	11	2.170	10	2.007	2	0.408	6	1.245	5	1.038	40	8.032
1.1.2) PACK UP KITS - Organic	2	3.400	1	1.758	-	-	-	-	-	-	3	5.158

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6

<b>Models of Systems Affected:</b> AN/SPY-1 RM&A IMPROVEMENTS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1.1.3) PRODUCTION SUPPORT - Organic	-	0.166	-	0.136	-	0.095	-	0.017	-	-	-	0.702
1.1.4) SIDEWALL AND 10KW TWT CG HARDWARE - NonOrganic	7	2.762	2	0.803	-	-	-	-	-	-	9	3.565
1.1.5) SIDEWALL AND 10KW TWT SHORE SITE HARDWARE - NonOrganic	-	-	-	-	-	-	-	-	-	-	4	0.776
<i>Subtotal Recurring</i>		8.498		4.704		0.503		1.262		1.038		18.233
<i>Total, DC018 - AN/SPY-1 RM&amp;A IMPROVEMENTS</i>	20	8.498	13	4.704	2	0.503	6	1.262	5	1.038	56	18.233
<i>Total, All Modifications</i>		8.498		4.704		0.503		1.262		1.038		18.233
<i>Procurement Cost (Procurement + Support)</i>		8.498		4.704		0.503		1.262		1.038		18.233
<i>Total Installation Cost</i>		1.094		1.696		0.997		0.368		0.828		5.155
<b>Total Cost (Procurement + Support + Installation)</b>		<b>9.592</b>		<b>6.400</b>		<b>1.500</b>		<b>1.630</b>		<b>1.866</b>		<b>23.388</b>

**Remarks:**

**Manufacturer Information:** DC018 - AN/SPY-1 RM&A IMPROVEMENTS

Manufacturer Name: RAYTHEON	Manufacturer Location: SUDBURY, MA
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 9

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Nov 2012				
Delivery Dates			Aug 2013				

**Installation:** DC018 - AN/SPY-1 RM&A IMPROVEMENTS      **Method of Implementation:** AIT      **Installation Name:** SIDEWALL AND 10KW TWT DDG HARDWARE

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10		<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million
<b>Models of Systems Affected:</b> AN/SPY-1 RM&A IMPROVEMENTS		<b>Modification Nomenclature (Modification Title, Modification Number):</b> DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0604501N

<b>Installation:</b> DC018 - AN/SPY-1 RM&A IMPROVEMENTS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> SIDEWALL AND 10KW TWT DDG HARDWARE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	6	0.500	-	-	-	-	-	-	-	-	6	0.500
FY 2014	3	0.287	8	0.689	-	-	-	-	-	-	11	0.976
FY 2015	-	-	2	0.200	8	0.724	-	-	-	-	10	0.924
FY 2016	-	-	-	-	-	-	2	0.184	-	-	2	0.184
FY 2017	-	-	-	-	-	-	2	0.184	4	0.328	6	0.512
To Complete	-	-	-	-	-	-	-	-	5	0.500	5	0.500
Total	9	0.787	10	0.889	8	0.724	4	0.368	9	0.828	40	3.596

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	3	2	3	3	2	3	2	3	-	1	1	-	2	9	40
Out	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	3	2	3	3	2	3	2	3	-	1	1	-	2	9	40

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6
<b>Models of Systems Affected:</b> AN/SPY-1 RM&A IMPROVEMENTS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N

<b>Installation:</b> DC018 - AN/SPY-1 RM&A IMPROVEMENTS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> SIDEWALL AND 10KW TWT CG HARDWARE										
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	1	0.132	6	0.807	-	-	-	-	-	-	7	0.939
FY 2015	-	-	-	-	2	0.273	-	-	-	-	2	0.273
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	0.132	6	0.807	2	0.273	-	-	-	-	9	1.212



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6

<b>Models of Systems Affected:</b> AN/SPY-1 RM&A IMPROVEMENTS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N
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<b>Installation:</b> DC018 - AN/SPY-1 RM&A IMPROVEMENTS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> SIDEWALL AND 10KW TWT CG HARDWARE
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Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	-	1	1	-	-	-	-	-	-	-	9
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	-	1	1	-	-	-	-	-	-	-	9

<b>Installation:</b> DC018 - AN/SPY-1 RM&A IMPROVEMENTS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> SIDEWALL AND 10KW TWT SHORE SITE HARDWARE
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	4	0.172	0	0.000	4	0.172
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	4	0.172	0	0.000	4	0.172

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	0	0.175	-	-	-	-	-	-	-	-	4	0.347

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 10	<b>P-1 Line Item Nomenclature:</b> 2980 - Items less than \$5 Million	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): DC018 - AN/SPY-1 RM&A IMPROVEMENTS - 6
<b>Models of Systems Affected:</b> AN/SPY-1 RM&A IMPROVEMENTS	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604501N

<b>Installation:</b> DC018 - AN/SPY-1 RM&A IMPROVEMENTS	<b>Method of Implementation:</b> AIT	<b>Installation Name:</b> SIDEWALL AND 10KW TWT SHORE SITE HARDWARE
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	0	0.175	-	-	-	-	-	-	-	-	4	0.347

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

<b>Installation:</b> DC018 - AN/SPY-1 RM&A IMPROVEMENTS	<b>Method of Implementation:</b> Not Installed - PACK UP KITS	<b>Installation Quantity:</b> 3
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**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 11 : Shipboard Communications

**P-1 Line Item Nomenclature:**  
 3010 - Shipboard Tactical Comms

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0604280N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	1.494	-	-	-	4.018	3.988	6.065	6.222	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	1.494	-	-	-	4.018	3.988	6.065	6.222	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	1.494	-	-	-	4.018	3.988	6.065	6.222	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	0.286	0.209	-	0.209	0.305	0.456	0.837	0.596	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Digital Modular Radio (DMR) - DN105: The DMR is a 2 Mega hertz (MHz) to 2 Gigahertz (GHz) software defined radio that provides Satellite Communications, Line of Sight (LOS) and High Frequency (HF) communication capability to surface, submarine, and shore facilities.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Shipboard Tactical Comms (See enclosed P-40A)	P40A, P5A				0.000			0.000			1.494			0.000			0.000			0.000
<b>Total Gross/Weapon System Cost</b>				-			-			<b>1.494</b>			-			-			-	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

Beginning in FY14, funding is provided for the Integrated Waveform(IW) upgrade to execute the Ultra High Frequency Demand Assigned Multiple Access Satellite Communications IW circuits in order to operate in joint networks.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 11 **P-1 Line Item Nomenclature:** 3010 - Shipboard Tactical Comms **Aggregated Item Name:** Shipboard Tactical Comms

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) DN105 DMR HFDAG</b>																			
† 1.1) DMR HFDAG Procurement	A	-	-	-	-	-	-	1,307.000	1	1.307	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) DN105 DMR HFDAG</i>				0.000			0.000			1.307			0.000			0.000			0.000
<b>2) DN105 DMR IW Upgrade</b>																			
2.1) DMR IW Upgrade Procurement	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) DN105 DMR IW Upgrade</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) DN555 Production Support</b>																			
3.1) DMR HFDAG Production Support	A	-	-	-	-	-	-	-	-	0.077	-	-	-	-	-	-	-	-	-
3.2) DMR IW Production Support	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) DN555 Production Support</i>				0.000			0.000			0.077			0.000			0.000			0.000
<b>4) DN777 DSA/PRE Shore Installation Design</b>																			
4.1) DMR HFDAG DSA/Pre Shore Installation Design	A	-	-	-	-	-	-	-	-	0.060	-	-	-	-	-	-	-	-	-
4.2) DMR IW DSA/Pre Shore Installation Design	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) DN777 DSA/PRE Shore Installation Design</i>				0.000			0.000			0.060			0.000			0.000			0.000
<b>5) DN777 Installation FMP</b>																			
5.1) DMR HFDAG Installation FMP	A	-	-	-	-	-	-	-	-	0.050	-	-	-	-	-	-	-	-	-
5.2) DMR IW Installation FMP	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) DN777 Installation FMP</i>				0.000			0.000			0.050			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>1.494</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

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<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2013 Navy									<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11				<b>P-1 Line Item Nomenclature:</b> 3010 - Shipboard Tactical Comms					<b>Aggregated Item Name:</b> Shipboard Tactical Comms			
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty</b> <small>(Each)</small>	<b>Unit Cost</b> <small>(\$ K)</small>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
<b>1) DN105 DMR HFDAG</b>												
1.1) DMR HFDAG Procurement		2012	Thales / Clarksburg, MD	SS / FFP	SPAWAR	Aug 2012	May 2013	1	1,307.000	Y		Feb 2010

**Remarks:**

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 11 : Shipboard Communications

**P-1 Line Item Nomenclature:**  
 3050 - Ship Communications Automation

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0204163N

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,387.671	229.250	255.110	56.870	-	56.870	22.632	22.061	30.279	24.500	0.000	3,028.373
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,387.671	229.250	255.110	56.870	-	56.870	22.632	22.061	30.279	24.500	0.000	3,028.373
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,387.671	229.250	255.110	56.870	-	56.870	22.632	22.061	30.279	24.500	0.000	3,028.373

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	4.464	2.471	3.857	-	3.857	1.232	1.198	1.189	0.031	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Ship Communication Automation (52PQ): With the evolution of afloat networks programs migrating into the Consolidated Afloat Networks and Enterprise Services (CANES) program , the Ship Communications Automation budget line will provide even more comprehensive capabilities across the fleet. While the networks capabilities of the Integrated Shipboard Network Systems (ISNS), Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M), Submarine Local Area Network (SubLAN), Automated Digital Network System (ADNS), and their associated personal computer hardware and software continue to be supported, CANES will reduce the infrastructure footprint and collapse a significant amount of afloat networks through the use of mature cross domain technologies. Command and Control Official Information eXchange (C2OIX) (formerly Tactical Messaging) automates and increases the speed and efficiency of handling organizational message traffic aboard ships and submarines. C2OIX will continue to satisfy the same requirements and implements products that are developed with an open system architecture and are conducive to technological upgrades. C2OIX products replace the older Naval Modular Automated Communication System and Tactical Messaging, which lack the speed and capacity to handle current message traffic loads during periods of accelerated combat operations. The Tactical Switching program will continue to procure and field Increment II upgrades enabling Navy Regional Network Operation Security Center's direct access to all Internet Protocol services. ADNS will be transferred to LI 2915 in FY13, and will procure and field Increment 3 under the new budget line.

[P40A / PQ068 SCI Networks]: Sensitive Compartmented Information (SCI) Networks (PQ068/PQGWT): SCI Networks provides tactical cryptologic systems and intelligence systems with protected and reliable delivery of SI/SCI data through a secure, controllable, network interface with the general service ADNS architecture. This network interface provides special intelligence shipboard analysts access to national, service strategic and tactical databases critical to the execution of their indications and warning mission and their critical input to the "kill chain" process. SCI Networks is the transport medium where critical special intelligence data is provided to the war fighter decision makers. This information moves from point of acquisition or origin to the decision point via SCI Networks. SCI Networks provides full and common network "enterprise" services for shipboard and submarine SCI LANs, including send mail interfaces, file transfer protocols, interactive chat, and web services. Common Personal Computer Operating System Environment (COMPOSE) provides a server and client operating system environment for other applications and collaborative tools such as same time chat. Fully transition to CANES in FY14.

SCI Network Operation Centers (NOCs) serve as the managed gateway between the afloat network environment and the larger shore and joint community, providing the only access to the Joint Worldwide Intelligence Communications System and National Security Agency networks. They provide internet service provider-like services, such as email store and forward, web cache, domain name service, file transfer services, and network security. The two regional SCI NOC sites, located at Norfolk and Wahiawa, and the four Broadcast Control Authorities at Norfolk, Naples, Hawaii and Yokosuka are critical in the national and tactical exchange of intelligence information.

[P3A / PQ007 ISNS Afloat]: Integrated Shipboard Network Systems (ISNS): The ISNS Increment I provides Navy ships with reliable, high-speed SECRET and UNCLASSIFIED Local Area Networks, providing the network infrastructure to include common computing environment (hardware, routers, servers, switches, printers, PCs and drops), basic network information distribution services and access to the Defense Information Systems Network Wide Area Network (Secure and Non-secure Internet Protocol Router Network) which are used by early adopter programs and other hosted applications or systems such as Naval

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<b>Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy</b>		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 11 : Shipboard Communications		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0204163N
<p>Tactical Command Support System, Global Command and Control System - Maritime, Defense Message System, Navy Standard Integrated Personnel System, Naval Mission Planning System, Theater Battle Management Core Systems, Undersea Warfare Decision Support System, Distributed Common Ground System - Navy, Automatic Identification System and Tactical Tomahawk Weapons Control System. ISNS provides real-time information/data exchange within the ship and between afloat units, component commanders, ashore commanders and fleet commanders, and is a key factor in the implementation of the Navy's portion of Joint Vision 2020. ISNS will support the Wireless Reachback System infrastructure previously known as Enhanced Maritime Intercept Operations infrastructure, wireless infrastructure, and any software/hardware changes to address end-of-life and security issues. ISNS will provide Distance Support for afloat hardware infrastructure associated with Navy Information Application Product Suite servers, clients, access points, and afloat connectivity. The Common Personal Computer Operating System Environment provides a server and client operating system environment for other applications and collaborative tools such as same time chat, Domino and Command and Control Personal Computer as a means to share a common operational picture and exchange information using collaboration at sea. ISNS Increment 2/CANES will transition numerous fleet networks to a single, adaptive, available, secure computing network infrastructure while delivering enhanced technologies to integrated voice, video, and data; common computing environment; service oriented architecture; and multi level secure/cross domain solutions. ISNS Increment 2/CANES will serve as the replacement for ISNS Increment 1, CENTRIXS-M, and SCI networks. Fully transition to CANES in FY13.</p> <p>[P3A / PQ007 CENTRIXS-M AFLOAT]: Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M) (PQ007/PQOCO): The CENTRIXS program provides Navy ships with secure, reliable, high-speed Local Area Network (LAN) with access to the coalition Wide Area Networks (WAN) to include CENTRIXS Four-Eyes, Global Counter Terrorism Task Force, NATO Information Data Transfer System, Multinational Coalition Force - Iraq, bilateral networks such as CENTRIX - US/Japan and CENTRIX - US/Korea, and communities of interest virtual networks such as Coalition Naval Forces - CENTCOM, and Cooperative Maritime Forces - Pacific. The CENTRIXS system provides real-time tactical and operational information sharing at the secret and secret releasable level between naval afloat units, component commanders, fleet commanders, numbered fleet commanders and coalition forces/allies. When the CENTRIXS network is combined with other subsystems (radio/satellite communications), it delivers an end-to-end network centric war fighting capability. Beginning in FY11, CENTRIXS will include migration to a Non-Class Enclave to provide in-demand capability to exchange information with traditional military Inter-Governmental organizations and Non-Governmental Organizations involved in humanitarian and disaster relief, anti-piracy, and white class shipping by leveraging Automatic Identification System information to develop a Common Operational Picture to be shared among coalition partners. The CENTRIXS program is comprised of Block 0, I and II systems fielded across the fleet, and Increment 1 which will provide a network infrastructure that allows simultaneous access to multiple coalition WANs and incorporates the Common Personal Computer Operating System Environment (COMPOSE). COMPOSE provides a server and client operating system environment for other applications and collaborative tools such as same time chat, Domino and Command and Control Personal Computer (C2PC) as a means to share a common operational picture and exchange information using collaboration at sea. The CENTRIXS program uses both Commercial Off-the-Shelf (COTS) hardware and software and open standards to maximize commercial technology and support. In-service engineering and technical support ensures existing systems are upgraded and modified to keep pace with current technology and industry. Significant CENTRIXS-M OPN funding, including support for Maritime Domain Awareness, transitioned to BLI 3051 beginning in FY10. Fully transitions to CANES in FY13 .</p> <p>[P3A / PQ007 SUBLAN]: Submarine Local Area Network (SubLAN): The SubLAN program provides Navy submarines with reliable, high-speed mission critical secret and mission essential unclassified Local Area Networks (LAN). When the SubLAN network is combined with other subsystems, it will deliver an end to end network-centric warfare capability by hosting applications capable of connectivity with coalition communications enclaves. The SubLAN program provides network infrastructure including an unclassified wireless LAN, servers, and the COMPOSE, which provides the operating system, office automation, security, and other basic network services used by all hosted applications. SubLAN will provide distance support for afloat hardware infrastructure associated with Navy Information Application Product Suite servers, clients, access points, and afloat connectivity. Fully transitions to CANES in FY14.</p> <p>[P3A / PQ069 Automated Digital Network System (ADNS) - Afloat - INC I &amp; II]: ADNS provides routing, switching, baseband, configuration and monitoring capabilities for interconnecting naval, coalition and joint enclaves worldwide. ADNS utilizes Commercial Off-the-Shelf/ Government Off-the-Shelf (COTS/GOTS) equipment and network protocols as specified by the joint technical architecture. ADNS Increment I provides initial limited, ship to shore IP connectivity, separation of enclaves, reuse of unused enclave bandwidth, and ship to tactical shore IP connectivity. ADNS Increment II provides additional capabilities of load balancing, Radio Frequency (RF) restoral, initial Quality of Service (QoS) to include application prioritization, initial traffic management, and enhancements designed to maximize use of "effective" available bandwidth for surface, shore, and airborne platforms. ADNS Increment III will converge all Navy tactical voice, video, and data requirements into a converged IP data stream. This includes SCIP-IWF for secure telephony over IP, as well as Video Information Exchange System for secure video over IP. In addition, the Increment III architecture will incorporate an IPv4/IPv6 dual stack and a cipher text security architecture to align to the Global Information Grid (GIG) in order to mesh Navy tactical surface, subsurface, and airborne platforms into a single IP environment with gateway functions to joint and coalition networks. ADNS Increment III will serve as the Navy tactical interface (Gateway) for IP networking with transformational satellite, Joint Tactical Radio System, High Assurance Internet Protocol Encrypter, and Advanced Extremely High Frequency.</p> <p>Provide a secure VTC capability that provides multipoint secure VTC between afloat commanders, CNO, fleet commanders, combatant commanders, and JTF components. It also supports NATO and Joint Worldwide Intelligence Communications System VTC. It supports global tactical command and control requirements to conduct distributed collaborative planning by senior commanders and decision makers.</p>		



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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 11 : Shipboard Communications	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0204163N
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Secure VTC is the preferred method for commanders in the field and afloat to meet, collaborate, and plan all aspects of strike warfare. It provides the only means for afloat commanders to meet face-to-face without traveling, which reduces tactical decision cycle time, and eliminates the cost and risk of flying between ships.

[P3A / PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Afloat]: C2OIX automates and increases the speed and efficiency of handling organizational message traffic aboard ships and submarines. C2OIX will continue to satisfy the same requirements and implements products that are developed with an open system architecture and are conducive to technological upgrades. C2OIX products replace the older Naval Modular Automated Communication System (NAVMACS) which lack the speed and capacity to handle current message traffic loads during periods of accelerated combat operations. Procurement and installation of NAVMACS 3.2 is in preparation of transition to OSD mandated C2OIX. NAVMACS 3.2 is the baseline that integrates NAVMACS, the afloat messaging system, with Navy Regional Enterprise Messaging System, the shore messaging system, establishing a single end-to-end messaging system that will enable footprint reduction on board ships as well as shore sites and reduce sustainment costs once C2OIX is fully fielded.

[P3A / PQ070 Tactical Switching]: Tactical Switching Ashore (TSw): Provides the switching and bandwidth management components of high capacity interoperable communications, as the number one fleet commander requirement in the Navy-wide Command, Control, Communications, Computers and Intelligence (C4I) and information warfare joint mission area assessment. Provides for the shore segment interconnect of an end-to-end dynamic bandwidth management, Internet Protocol, and channel access protocol capability to deploying battle groups, amphibious ready groups, and other support units. Automates the major shore nodes which allow network centric and no emissions operations. Provides afloat interoperability of tactical and strategic C4I circuits with Marine Corps Ground Mobile Forces (GMF). Tactical Switching which includes GMF interoperability, automated network control center, automated technical control, automated digital multiplexer system, and the fleet Network Operation Centers is the key enabling mechanism for the execution of the ADNS and CANES strategy which is essential to meeting the information technology for the 21st Century C4I vision. Tactical Switching deploys an Enterprise Network Management System (ENMS) which provides enterprise-wide network monitoring, management, and automated problem resolution for the shore network infrastructure during a benign and/or denied operating environment. Tactical Switching system capabilities allow flexible, secure and reliable communications for voice, video, and data applications for Navy terrestrial Radio Frequency links and pier side connectivity.

Increment II: The Tactical Switching plan replaces selected obsolete 1970's based shore equipment with current COTS/GOTS products which comply with DoD Global Information Grid (GIG) and teleport architectures and standards that have demonstrated interoperability with DoD and joint systems. Procurement of these state of the art products converge circuit-based communications to a DoD standardized, integrated, and interoperable IP network. Tactical Switching will migrate selected shore sites and their terrestrial interconnections into a coherent, scalable, network-centric capability. In FY13, Tactical Switching procurements will provide expansion of ENMS, Internet Protocol (IP) Services, and Transport to additional customers, increasing services, and adding systems to provide a holistic Network Management status. These procurements will reduce the Navy's dependency on legacy serial transport and continue the migration to an IP interoperability and integration between Navy forces to support full network centric warfare. Tactical Switching will provide full direct access for Navy warfighters through the Navy Regional Network Operations and Security Centers to the all IP GIG for full warfighting application data exchange and provide server consolidation ashore to support a common computing environment. Tactical Switching will also provide the mechanism for dynamically and automatically managed real time integrated information assurance and security and mitigate vulnerabilities within the Navy shore regions. Quality of Service enabled traffic flow prioritization and fully automated dynamic bandwidth management will also be provided. Tactical Switching strategy is to maximize the use of joint infrastructures. Tactical Switching will maximize the Defense Information Systems Network Core for unified Navy transport, allowing for route diversification and distributed joint services allowing access anywhere via distributed services.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Ship Communications Automation (See enclosed P-40A)	P40A, P5A				173.420			22.333			20.082			1.716			0.000			1.716
PQ007 ISNS Afloat - 1	P3A		-	-	1,139.157	-	-	112.849	-	-	97.295	-	-	0.000	-	-	0.000	-	-	0.000
PQ007 ISNS Shore - 2	P3A		-	-	9.482	-	-	1.090	-	-	1.462	-	-	0.000	-	-	0.000	-	-	0.000

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 11 : Shipboard Communications

**P-1 Line Item Nomenclature:**  
 3050 - Ship Communications Automation

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0204163N

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
PQ007 CENTRIXS-M AFLOAT - 3	P3A		-	-	87.000	-	-	14.283	-	-	10.500	-	-	0.000	-	-	0.000	-	-	0.000
PQ007 SUBLAN - 4	P3A		-	-	249.444	-	-	22.290	-	-	44.458	-	-	30.071	-	-	0.000	-	-	30.071
PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II - 5	P3A		-	-	306.841	-	-	2.346	-	-	3.187	-	-	0.000	-	-	0.000	-	-	0.000
PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II - 6	P3A		-	-	56.440	-	-	2.221	-	-	0.400	-	-	0.000	-	-	0.000	-	-	0.000
PQ069 Automated Digital Network System (ADNS) - Afloat - INC III - 7	P3A		-	-	45.005	-	-	22.533	-	-	33.737	-	-	0.000	-	-	0.000	-	-	0.000
PQ069 Automated Digital Network System (ADNS) - Ashore - INC III - 8	P3A		-	-	10.151	-	-	6.592	-	-	16.289	-	-	0.000	-	-	0.000	-	-	0.000
PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo - 9	P3A		-	-	141.188	-	-	0.340	-	-	3.668	-	-	5.217	-	-	0.000	-	-	5.217
PQ065 Tactical Messaging Ashore - 10	P3A		-	-	0.000	-	-	0.000	-	-	1.196	-	-	0.000	-	-	0.000	-	-	0.000
PQ070 Tactical Switching - 11	P3A		-	-	169.543	-	-	22.373	-	-	22.836	-	-	19.866	-	-	0.000	-	-	19.866
<b>Total Gross/Weapon System Cost</b>					<b>2,387.671</b>			<b>229.250</b>			<b>255.110</b>			<b>56.870</b>			-			<b>56.870</b>

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Ship Communications Automation (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
PQ007 ISNS Afloat - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1,349.301
PQ007 ISNS Shore - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	12.034
PQ007 CENTRIXS-M AFLOAT - 3	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	111.783
PQ007 SUBLAN - 4	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	346.263
PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II - 5	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	312.374
PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II - 6	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	59.061



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 11 **P-1 Line Item Nomenclature:** 3050 - Ship Communications Automation **Aggregated Item Name:** Ship Communications Automation

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) PQ068 SCI Networks</b>																			
† 1.1) SCI Networks (Ashore)	A	-	-	5.337	315.000	4	1.260	25.000	2	0.050	60.000	1	0.060	-	-	-	60.000	1	0.060
† 1.2) SCI Networks (Afloat) (1)	A	-	-	108.585	430.171	35	15.056	606.773	22	13.349	629.000	2	1.258	-	-	-	629.000	2	1.258
<i>Subtotal 1) PQ068 SCI Networks</i>				113.922			16.316			13.399			1.318			0.000			1.318
<b>2) PQ555 Production Support</b>																			
2.1) SCI Networks (Afloat)	A	-	-	6.419	-	-	0.610	-	-	0.693	-	-	0.045	-	-	-	-	-	0.045
<i>Subtotal 2) PQ555 Production Support</i>				6.419			0.610			0.693			0.045			0.000			0.045
<b>3) PQ777 FMP Install</b>																			
3.1) SCI Networks (Afloat)	A	-	-	40.641	-	-	4.565	-	-	5.628	-	-	0.233	-	-	-	-	-	0.233
<i>Subtotal 3) PQ777 FMP Install</i>				40.641			4.565			5.628			0.233			0.000			0.233
<b>4) PQ777 DSA Install</b>																			
4.1) SCI Networks (Afloat)	A	-	-	8.801	-	-	0.336	-	-	0.230	-	-	0.040	-	-	-	-	-	0.040
<i>Subtotal 4) PQ777 DSA Install</i>				8.801			0.336			0.230			0.040			0.000			0.040
<b>5) PQ776 Non-FMP Install</b>																			
5.1) SCI Networks (Ashore)	A	-	-	3.637	-	-	0.506	-	-	0.132	-	-	0.080	-	-	-	-	-	0.080
<i>Subtotal 5) PQ776 Non-FMP Install</i>				3.637			0.506			0.132			0.080			0.000			0.080
<b>Total</b>				<b>173.420</b>			<b>22.333</b>			<b>20.082</b>			<b>1.716</b>			<b>0.000</b>			<b>1.716</b>

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 11 **P-1 Line Item Nomenclature:** 3050 - Ship Communications Automation **Aggregated Item Name:** Ship Communications Automation

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) PQ068 SCI Networks</b>																			
† 1.1) SCI Networks (Ashore)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 1.2) SCI Networks (Afloat) (1)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) PQ068 SCI Networks</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) PQ555 Production Support</b>																			
2.1) SCI Networks (Afloat)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) PQ555 Production Support</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) PQ777 FMP Install</b>																			
3.1) SCI Networks (Afloat)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) PQ777 FMP Install</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) PQ777 DSA Install</b>																			
4.1) SCI Networks (Afloat)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) PQ777 DSA Install</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) PQ776 Non-FMP Install</b>																			
5.1) SCI Networks (Ashore)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) PQ776 Non-FMP Install</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

- (1) 1/ SCI Networks Afloat unit cost increase due to change in scope associated with new servers, workstations, and software associated with Microsoft Windows 7 Operating System.
- 2/ FY12 Total Control reflects \$10.0M Congressional Adjustment to realign OPN funds from CANES OPN (LI 2915) to SCI Networks (LI 3050) to provide Service Life Extension funding for high risk legacy platforms.
- 3/ Funding fully transitions to CANES FY14 and out.

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Aggregated Item Name:</b> Ship Communications Automation
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) PQ068 SCI Networks</b>												
1.1) SCI Networks (Ashore)		2011	SAIC / San Diego, CA	C / CPIF	SPAWAR	Nov 2010	Jan 2011	4	315.000	Y		Mar 2009
1.1) SCI Networks (Ashore)		2012	SAIC / San Diego, CA	C / CPIF	SPAWAR	Nov 2011	Jan 2012	2	25.000	Y		Mar 2009
1.1) SCI Networks (Ashore)		2013	SAIC / San Diego, CA	C / CPIF	SPAWAR	Nov 2012	Jan 2013	1	60.000	Y		Mar 2009
1.2) SCI Networks (Afloat)		2011	SAIC / San Diego, CA	C / CPIF	SPAWAR	Nov 2010	Feb 2011	35	430.171	Y		Mar 2009
1.2) SCI Networks (Afloat)		2012	SAIC / San Diego, CA	C / CPIF	SPAWAR	Nov 2011	Feb 2012	22	606.773	Y		Mar 2009
1.2) SCI Networks (Afloat)		2013	SAIC / San Diego, CA	C / CPIF	SPAWAR	Nov 2012	Feb 2013	2	629.000	Y		Mar 2009

**Remarks:**

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 ISNS Afloat - 1

<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,139.157	112.849	97.295	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1,349.301
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,139.157	112.849	97.295	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1,349.301
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1,139.157</b>	<b>112.849</b>	<b>97.295</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1,349.301</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides modern, centrally managed network systems to replace aging Local Area Network (LAN) systems for Battle Group (BG) and non-BG ships and embarking Marine Corps units. Application subsystems include financial/inventory management, organizational and surface maintenance management, and administrative information systems support. ISNS will support the Wireless Reachback System (WRBS) (formerly known as Expanded Maritime Intercept Operations (EMIO)) in addition to DMS proxy capabilities. ISNS will provide a secure video teleconferencing (VTC) capability that provides multi-point secure VTC between afloat commanders, CNO, Fleet Combatant and Joint Task Force Components.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ007 ISNS Afloat - 1
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ007 ISNS Afloat												
B Kits												
Recurring												
1.1.1) ISNS - Equipment - NonOrganic <sup>(2)</sup>	589	607.962	17	66.065	-	-	-	-	-	-	-	-
1.1.2) ISNS - 3 Year Refresh - NonOrganic	-	-	-	-	4	6.431	-	-	-	-	-	-
1.1.3) SLEP - Server and/or PC Refresh - NonOrganic	-	-	-	-	28	34.241	-	-	-	-	-	-
<i>Subtotal Recurring</i>		607.962		66.065		40.672		0.000		0.000		0.000
NonRecurring												
1.2.1) Non-Recurring Distance Support - Organic	-	0.856	-	-	-	-	-	-	-	-	-	-
<i>Subtotal NonRecurring</i>		0.856		0.000		0.000		0.000		0.000		0.000
<i>Total, PQ007 ISNS Afloat</i>	589	608.818	17	66.065	32	40.672	-	-	-	-	-	-
<i>Total, All Modifications</i>		608.818		66.065		40.672		0.000		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	31.464	-	2.974	-	3.342	-	-	-	-	-	-
2.2) DSA	-	52.770	-	3.106	-	1.624	-	-	-	-	-	-
<i>Total Support Cost</i>		84.234		6.080		4.966		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		693.052		72.145		45.638		0.000		0.000		0.000
<i>Total Installation Cost</i>		446.105		40.704		51.657		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		1,139.157		112.849		97.295		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ007 ISNS Afloat												
B Kits												
Recurring												



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 ISNS Afloat - 1

<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1.1) ISNS - Equipment - NonOrganic <sup>(2)</sup>	-	-	-	-	-	-	-	-	-	-	606	674.027
1.1.2) ISNS - 3 Year Refresh - NonOrganic	-	-	-	-	-	-	-	-	-	-	4	6.431
1.1.3) SLEP - Server and/or PC Refresh - NonOrganic	-	-	-	-	-	-	-	-	-	-	28	34.241
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		714.699
NonRecurring												
1.2.1) Non-Recurring Distance Support - Organic	-	-	-	-	-	-	-	-	-	-	-	0.856
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.000		0.000		0.856
<i>Total, PQ007 ISNS Afloat</i>	-	-	-	-	-	-	-	-	-	-	638	715.555
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		715.555
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	37.780
2.2) DSA	-	-	-	-	-	-	-	-	-	-	-	57.500
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		95.280
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		810.835
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		538.466
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>1,349.301</b>

**Remarks:**

- <sup>(2)</sup>1/ Administrative and production leadtimes represent FY12 command ship server refresh, multi-platform operating system/PC refresh and data back up (tape drive).
- 2/ FY12 Total Control reflects \$43.1M Congressional adjustment from CANES OPN (LI 2915) to ISNS (LI 3050) to provide additional Service Life Extension Program (SLEP) funding for high risk legacy platforms.
- 3/ First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.
- 4/ Funding fully transitions to CANES FY13 and out.

<b>Manufacturer Information: PQ007 ISNS Afloat</b>	
Manufacturer Name: Lockheed Martin	Manufacturer Location: Eagan, MN
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 1

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ007 ISNS Afloat - 1
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

<b>Manufacturer Information: PQ007 ISNS Afloat</b>							
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010						
Delivery Dates	Jun 2011						
Manufacturer Name: SSC LANT				Manufacturer Location: Charleston, SC			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates		Nov 2011					
Delivery Dates		Dec 2011					

<b>Installation:</b> PQ007 ISNS Afloat			<b>Method of Implementation:</b> ISNS				<b>Installation Name:</b> Installation of Equipment - ISNS Afloat					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	0	446.105	5	25.446	-	-	-	-	-	-	-	-
FY 2011	-	-	12	15.258	5	39.646	-	-	-	-	-	-
FY 2012	-	-	-	-	32	12.011	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	0	446.105	17	40.704	37	51.657	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	5	471.551
FY 2011	-	-	-	-	-	-	-	-	-	-	17	54.904
FY 2012	-	-	-	-	-	-	-	-	-	-	32	12.011

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ007 ISNS Afloat - 1
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ007 ISNS Afloat	<b>Method of Implementation:</b> ISNS	<b>Installation Name:</b> Installation of Equipment - ISNS Afloat
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	54	538.466

Installation Schedule																																			
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	584	-	5	2	10	-	6	15	11	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	638
Out	584	-	5	2	10	-	-	6	15	11	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	638

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11				<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 ISNS Shore - 2				
<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	9.482	1.090	1.462	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.034
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	9.482	1.090	1.462	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.034
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>9.482</b>	<b>1.090</b>	<b>1.462</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>12.034</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides Technical Training and Equipment (TTE) for schoolhouses which require upgrades for ISNS systems. Application subsystems include financial/inventory management, organizational and surface maintenance management, and administrative information systems support.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 ISNS Shore - 2
<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
PQ007 ISNS Shore												
B Kits												
Recurring												
1.1.1) Equipment - ISNS - NonOrganic <sup>(3)</sup>	7	5.680	3	0.522	3	0.572	-	-	-	-	-	-
<i>Subtotal Recurring</i>		5.680		0.522		0.572		0.000		0.000		0.000
<i>Total, PQ007 ISNS Shore</i>	7	5.680	3	0.522	3	0.572	-	-	-	-	-	-
<i>Total, All Modifications</i>		5.680		0.522		0.572		0.000		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	0.284	-	0.026	-	0.026	-	-	-	-	-	-
<i>Total Support Cost</i>		0.284		0.026		0.026		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		5.964		0.548		0.598		0.000		0.000		0.000
<i>Total Installation Cost</i>		3.518		0.542		0.864		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		9.482		1.090		1.462		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
PQ007 ISNS Shore												
B Kits												
Recurring												
1.1.1) Equipment - ISNS - NonOrganic <sup>(3)</sup>	-	-	-	-	-	-	-	-	-	-	13	6.774
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		6.774
<i>Total, PQ007 ISNS Shore</i>	-	-	-	-	-	-	-	-	-	-	13	6.774
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		6.774
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	0.336

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 ISNS Shore - 2

<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Total Support Cost		0.000		0.000		0.000		0.000		0.000		0.336
Procurement Cost (Procurement + Support)		0.000		0.000		0.000		0.000		0.000		7.110
Total Installation Cost		0.000		0.000		0.000		0.000		0.000		4.924
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>12.034</b>

**Remarks:**  
<sup>(3)</sup>1/ Average unit cost fluctuations are due to varying system configuration requirements for scheduled tech refresh/upgrades to support new capabilities and End of Life (EOL) hardware and software requirements.  
 2/ Funding fully transitions to CANES (BLI 2915 and BLI 2925) FY13 and out.

<b>Manufacturer Information: PQ007 ISNS Shore</b>							
Manufacturer Name: SSC LANT				Manufacturer Location: Charleston, SC			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Nov 2011					
Delivery Dates	Dec 2010	Dec 2011					

<b>Installation:</b> PQ007 ISNS Shore			<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Installation of Equipment - ISNS Ashore					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	7	3.518	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	3	0.542	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	3	0.864	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Integrated Shipboard Network System (ISNS)		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ007 ISNS Shore - 2
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ007 ISNS Shore		<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Installation of Equipment - ISNS Ashore						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	7	3.518	3	0.542	3	0.864	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	7	3.518
FY 2011	-	-	-	-	-	-	-	-	-	-	3	0.542
FY 2012	-	-	-	-	-	-	-	-	-	-	3	0.864
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	13	4.924

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	7	-	2	1	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Out	7	-	2	1	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 CENTRIXS-M AFLOAT - 3

<b>Models of Systems Affected:</b> Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M)	<b>Type Modification:</b> CENTRIXS-M - Afloat	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	87.000	14.283	10.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	111.783
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	87.000	14.283	10.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	111.783
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	87.000	14.283	10.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	111.783

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Program provides Navy ships with a reliable, high-speed Local Area Network (LAN) that will provide access to the coalition WAN. The CENTRIXS-M program maximizes the use of both COTS software and hardware, including Maritime Domain Awareness (MDA) Fly Away Kits (FAK) and Non Class Enclave (NCE) FAKs.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11				<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 CENTRIXS-M AFLOAT - 3			
<b>Models of Systems Affected:</b> Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M)				<b>Type Modification:</b> CENTRIXS-M - Afloat				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
PQ007 CENTRIXS-M AFLOAT													
B Kits													
Recurring													
1.1.1) CENTRIXS - EQUIPMENT - BLK 0 - NonOrganic	58	12.760	-	-	-	-	-	-	-	-	-	-	
1.1.2) CENTRIXS - EQUIPMENT - BLK 1 - NonOrganic	19	5.734	-	-	-	-	-	-	-	-	-	-	
1.1.3) CENTRIX - EQUIPMENT - BLK 0 REFRESH - NonOrganic (4)	30	3.886	16	0.806	28	2.250	-	-	-	-	-	-	
1.1.4) CENTRIXS - EQUIPMENT - BLK 2 - NonOrganic	6	7.468	-	-	-	-	-	-	-	-	-	-	
1.1.5) CENTRIXS - EQUIPMENT - BLK 2 w/ECOs - Organic	2	2.934	-	-	-	-	-	-	-	-	-	-	
1.1.6) CENTRIXS - EQUIPMENT - FLEET FLY-AWAY KITS - Organic	15	1.507	-	-	-	-	-	-	-	-	-	-	
1.1.7) CENTRIXS - EQUIPMENT - SUBMARINE FLY-AWAY KITS - Organic	10	1.054	-	-	-	-	-	-	-	-	-	-	
1.1.8) CENTRIXS - EQUIPMENT - NON CLASSIFIED NETWORK (NCN) - Organic	9	1.500	-	-	-	-	-	-	-	-	-	-	
1.1.9) CENTRIXS - EQUIPMENT - IA SERVER UPGRADE - NonOrganic	30	7.010	-	-	-	-	-	-	-	-	-	-	
1.1.10) CENTRIXS - EQUIPMENT INCREMENT 1 FL - NonOrganic	4	5.400	1	0.910	-	-	-	-	-	-	-	-	
1.1.11) CENTRIXS - EQUIPMENT - INCREMENT 1 FL BACKFIT - NonOrganic	4	3.106	-	-	1	0.876	-	-	-	-	-	-	
1.1.12) CENTRIXS - EQUIPMENT - INCREMENT 1 UL - NonOrganic	5	5.019	7	4.847	3	2.995	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		57.378		6.563		6.121		0.000		0.000		0.000	
<i>Total, PQ007 CENTRIXS-M AFLOAT</i>	192	57.378	24	6.563	32	6.121	-	-	-	-	-	-	
<i>Total, All Modifications</i>		57.378		6.563		6.121		0.000		0.000		0.000	
<b>Support</b>													
2.1) PRODUCTION SUPPORT	-	3.879	-	1.139	-	0.221	-	-	-	-	-	-	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 CENTRIXS-M AFLOAT - 3

<b>Models of Systems Affected:</b> Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M)	<b>Type Modification:</b> CENTRIXS-M - Afloat	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.2) DSA	-	3.914	-	1.544	-	0.400	-	-	-	-	-	-
<b>Total Support Cost</b>		7.793		2.683		0.621		0.000		0.000		0.000
<b>Procurement Cost (Procurement + Support)</b>		65.171		9.246		6.742		0.000		0.000		0.000
<b>Total Installation Cost</b>		21.829		5.037		3.758		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		87.000		14.283		10.500		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ007 CENTRIXS-M AFLOAT												
B Kits												
Recurring												
1.1.1) CENTRIXS - EQUIPMENT - BLK 0 - NonOrganic	-	-	-	-	-	-	-	-	-	-	58	12.760
1.1.2) CENTRIXS - EQUIPMENT - BLK 1 - NonOrganic	-	-	-	-	-	-	-	-	-	-	19	5.734
1.1.3) CENTRIX - EQUIPMENT - BLK 0 REFRESH - NonOrganic (4)	-	-	-	-	-	-	-	-	-	-	74	6.942
1.1.4) CENTRIXS - EQUIPMENT - BLK 2 - NonOrganic	-	-	-	-	-	-	-	-	-	-	6	7.468
1.1.5) CENTRIXS - EQUIPMENT - BLK 2 w/ECOs - Organic	-	-	-	-	-	-	-	-	-	-	2	2.934
1.1.6) CENTRIXS - EQUIPMENT - FLEET FLY-AWAY KITS - Organic	-	-	-	-	-	-	-	-	-	-	15	1.507
1.1.7) CENTRIXS - EQUIPMENT - SUBMARINE FLY-AWAY KITS - Organic	-	-	-	-	-	-	-	-	-	-	10	1.054
1.1.8) CENTRIXS - EQUIPMENT - NON CLASSIFIED NETWORK (NCN) - Organic	-	-	-	-	-	-	-	-	-	-	9	1.500
1.1.9) CENTRIXS - EQUIPMENT - IA SERVER UPGRADE - NonOrganic	-	-	-	-	-	-	-	-	-	-	30	7.010
1.1.10) CENTRIXS - EQUIPMENT INCREMENT 1 FL - NonOrganic	-	-	-	-	-	-	-	-	-	-	5	6.310

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 CENTRIXS-M AFLOAT - 3

<b>Models of Systems Affected:</b> Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M)	<b>Type Modification:</b> CENTRIXS-M - Afloat	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1.11) CENTRIXS - EQUIPMENT - INCREMENT 1 FL BACKFIT - NonOrganic	-	-	-	-	-	-	-	-	-	-	5	3.982
1.1.12) CENTRIXS - EQUIPMENT - INCREMENT 1 UL - NonOrganic	-	-	-	-	-	-	-	-	-	-	15	12.861
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		70.062
<i>Total, PQ007 CENTRIXS-M AFLOAT</i>	-	-	-	-	-	-	-	-	-	-	248	70.062
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		70.062
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	-	-	-	-	-	-	-	-	-	-	5.239
2.2) DSA	-	-	-	-	-	-	-	-	-	-	-	5.858
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		11.097
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		81.159
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		30.624
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>111.783</b>

**Remarks:**

- (4)1/ Total procurement quantity exceeds total installation qty by 36 due to 25 fly-away kits, 2 Environmental Quality Testing kits and 9 Non-Classified Network kits not requiring installation.
- 2/ Production lead time is 2 months for CENTRIXS-M Blocks 0, 1 and 2.
- 3/First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.
- 4/ FY12 Total Control reflects \$10.5M Congressional Adjustment that realigned OPN funds from CANES OPN (LI 2915) to CENTRIXS (LI 3050) to provide Service Life Extension funding for legacy platforms.
- 5/ Funding fully transitions to CANES FY13 and out.

**Manufacturer Information: PQ007 CENTRIXS-M AFLOAT**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Eagan, MN
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 2

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M)		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ007 CENTRIXS-M AFLOAT - 3
<b>Type Modification:</b> CENTRIXS-M - Afloat		<b>Related RDT&amp;E PEs:</b>

<b>Manufacturer Information: PQ007 CENTRIXS-M AFLOAT</b>							
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Jan 2012					
Delivery Dates	Jan 2011	Mar 2012					

<b>Installation:</b> PQ007 CENTRIXS-M AFLOAT			<b>Method of Implementation:</b> [none specified]				<b>Installation Name:</b> Installation of Equipment - CENTRIX-M Afloat					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	156	21.829	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	24	5.037	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	31	3.758	1	0.000	0	0.000	1	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	156	21.829	24	5.037	31	3.758	1	0.000	0	0.000	1	0.000

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	156	21.829
FY 2011	-	-	-	-	-	-	-	-	-	-	24	5.037
FY 2012	-	-	-	-	-	-	-	-	-	-	32	3.758
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 CENTRIXS-M AFLOAT - 3
<b>Models of Systems Affected:</b> Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M)	<b>Type Modification:</b> CENTRIXS-M - Afloat	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ007 CENTRIXS-M AFLOAT		<b>Method of Implementation:</b> [none specified]				<b>Installation Name:</b> Installation of Equipment - CENTRIX-M Afloat						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	212	30.624

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>		
In	156	-	8	6	9	1	7	8	16	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212
Out	156	-	8	6	9	1	7	8	16	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212

<b>Installation:</b> PQ007 CENTRIXS-M AFLOAT		<b>Method of Implementation:</b> Organic - CENTRIXS - EQUIPMENT - BLK 2 w/ECOs																<b>Installation Quantity:</b> 2	
<b>Installation:</b> PQ007 CENTRIXS-M AFLOAT		<b>Method of Implementation:</b> Organic - CENTRIXS - EQUIPMENT - FLEET FLY-AWAY KITS																<b>Installation Quantity:</b> 15	
<b>Installation:</b> PQ007 CENTRIXS-M AFLOAT		<b>Method of Implementation:</b> Organic - CENTRIXS - EQUIPMENT - SUBMARINE FLY-AWAY KITS																<b>Installation Quantity:</b> 10	
<b>Installation:</b> PQ007 CENTRIXS-M AFLOAT		<b>Method of Implementation:</b> Organic - CENTRIXS - EQUIPMENT - NON CLASSIFIED NETWORK (NCN)																<b>Installation Quantity:</b> 9	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 SUBLAN - 4

<b>Models of Systems Affected:</b> Submarine Local Area Network (SubLAN)		<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>	
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	249.444	22.290	44.458	30.071	0.000	30.071	0.000	0.000	0.000	0.000	0.000	346.263
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	249.444	22.290	44.458	30.071	0.000	30.071	0.000	0.000	0.000	0.000	0.000	346.263
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	249.444	22.290	44.458	30.071	0.000	30.071	0.000	0.000	0.000	0.000	0.000	346.263

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Provides modern, centrally managed, network systems to replace aging LAN systems. Application subsystems include financial/inventory management, organizational and surface maintenance management, and administrative information systems support. Provides Distance support hardware infrastructure (Navy Information Application Product Suite (NIAPS) servers, clients, blades, access points, and afloat connectivity).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11				<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 SUBLAN - 4			
<b>Models of Systems Affected:</b> Submarine Local Area Network (SubLAN)				<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
PQ007 SUBLAN													
B Kits													
Recurring													
1.1.1) SubLAN - Equipment - NonOrganic <sup>(5)</sup>	156	110.616	-	-	-	-	-	-	-	-	-	-	
1.1.2) SubLAN - Equipment - SubLAN 1 - NonOrganic	-	-	1	0.750	1	0.750	-	-	-	-	-	-	
1.1.3) SubLAN - Equipment - Grade A 688 - NonOrganic	-	-	2	1.347	-	-	-	-	-	-	-	-	
1.1.6) SubLAN - Equipment - Engineering Changes - NonOrganic	-	-	-	5.875	-	9.984	-	4.982	-	-	-	4.982	
1.1.7) SubLAN - Equipment - Tech Refresh - NonOrganic	-	-	-	-	9	6.165	7	3.445	-	-	7	3.445	
1.1.8) SubLAN - Equipment - SLEP - NonOrganic	-	-	-	-	6	3.824	-	-	-	-	-	-	
1.1.9) SUBLAN - Equipment - LRIP Backfit - NonOrganic	8	0.784	6	0.784	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		111.400		8.756		20.723		8.427		0.000		8.427	
NonRecurring													
1.2.1) SubLAN - Nonrecurring Equipment - Distance Support - Organic	-	-	-	1.544	-	0.780	-	0.780	-	-	-	0.780	
<i>Subtotal NonRecurring</i>		0.000		1.544		0.780		0.780		0.000		0.780	
<i>Total, PQ007 SUBLAN</i>	164	111.400	9	10.300	16	21.503	7	9.207	-	-	7	9.207	
<i>Total, All Modifications</i>		111.400		10.300		21.503		9.207		0.000		9.207	
<b>Support</b>													
2.1) PRODUCTION SUPPORT	-	4.797	-	0.437	-	0.653	-	0.643	-	-	-	0.643	
2.2) DSA	-	1.662	-	0.164	-	0.342	-	0.330	-	-	-	0.330	
<i>Total Support Cost</i>		6.459		0.601		0.995		0.973		0.000		0.973	
<i>Procurement Cost (Procurement + Support)</i>		117.859		10.901		22.498		10.180		0.000		10.180	
<i>Total Installation Cost</i>		131.585		11.389		21.960		19.891		0.000		19.891	
<b>Total Cost (Procurement + Support + Installation)</b>		249.444		22.290		44.458		30.071		0.000		30.071	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 SUBLAN - 4

<b>Models of Systems Affected:</b> Submarine Local Area Network (SubLAN)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ007 SUBLAN												
B Kits												
Recurring												
1.1.1) SubLAN - Equipment - NonOrganic <sup>(5)</sup>	-	-	-	-	-	-	-	-	-	-	156	110.616
1.1.2) SubLAN - Equipment - SubLAN 1 - NonOrganic	-	-	-	-	-	-	-	-	-	-	2	1.500
1.1.3) SubLAN - Equipment - Grade A 688 - NonOrganic	-	-	-	-	-	-	-	-	-	-	2	1.347
1.1.6) SubLAN - Equipment - Engineering Changes - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	20.841
1.1.7) SubLAN - Equipment - Tech Refresh - NonOrganic	-	-	-	-	-	-	-	-	-	-	16	9.610
1.1.8) SubLAN - Equipment - SLEP - NonOrganic	-	-	-	-	-	-	-	-	-	-	6	3.824
1.1.9) SUBLAN - Equipment - LRIP Backfit - NonOrganic	-	-	-	-	-	-	-	-	-	-	14	1.568
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		149.306
NonRecurring												
1.2.1) SubLAN - Nonrecurring Equipment - Distance Support - Organic	-	-	-	-	-	-	-	-	-	-	-	3.104
<i>Subtotal NonRecurring</i>		0.000		0.000		0.000		0.000		0.000		3.104
<i>Total, PQ007 SUBLAN</i>	-	-	-	-	-	-	-	-	-	-	196	152.410
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		152.410
<b>Support</b>												
2.1) PRODUCTION SUPPORT	-	-	-	-	-	-	-	-	-	-	-	6.530
2.2) DSA	-	-	-	-	-	-	-	-	-	-	-	2.498
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		9.028
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		161.438
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		184.825
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>346.263</b>

**Remarks:**

<sup>(5)</sup>1/ Unit cost differs by class and includes variable Government Furnished Equipment (GFE)/ ShipAlt production costs coupled with FMP requirements. Grade A's require installation of racks, servers, switches and COMPOSE 3.0.1 software to complete transition from WinNT and Win2K End of Life software to Win2003/XP and to prepare for CANES in FY14.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ007 SUBLAN - 4
<b>Models of Systems Affected:</b> Submarine Local Area Network (SubLAN)	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

2/ Funding fully transitions to CANES (BLI 2915 and BLI 2925) FY14 and out.

3/ First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of submarine installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

4/ SubLAN requires an additional 3 months after delivery for required pre-installation test and check out (PITCO) prior to installation start. Installs do not begin until 6 months after contract award (3 months PLT + 3 months PITCO).

5/FY12 Total Control reflects \$14M Congressional Adjustment to realign OPN funds from CANES OPN (LI 2915) to SubLAN (LI 3050) to provide Service Life Extension funding for legacy platforms.

<b>Manufacturer Information: PQ007 SUBLAN</b>							
Manufacturer Name: SAIC				Manufacturer Location: San Diego, CA			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 3			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010	Dec 2011	Dec 2012				
Delivery Dates	Mar 2011	Mar 2012	Mar 2013				

<b>Installation:</b> PQ007 SUBLAN		<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Installation of Equipment - SUBLAN						
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	160	131.585	4	0.680	-	-	-	-	-	-	-	-
FY 2011	-	-	8	10.709	1	3.155	-	-	-	-	-	-
FY 2012	-	-	-	-	11	18.805	5	8.286	0	0.000	5	8.286
FY 2013	-	-	-	-	-	-	6	11.605	0	0.000	6	11.605
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	160	131.585	12	11.389	12	21.960	11	19.891	0	0.000	11	19.891

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Submarine Local Area Network (SubLAN)		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ007 SUBLAN - 4
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ007 SUBLAN		<b>Method of Implementation:</b> Method						<b>Installation Name:</b> Installation of Equipment - SUBLAN					
Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
All Prior Years	-	-	-	-	-	-	-	-	-	-	164	132.265	
FY 2011	-	-	-	-	-	-	-	-	-	-	9	13.864	
FY 2012	-	-	-	-	-	-	-	-	-	-	16	27.091	
FY 2013	1	0.000	-	-	-	-	-	-	-	-	7	11.605	
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-	
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-	
To Complete	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Total</b>	<b>1</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>196</b>	<b>184.825</b>	

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	160	-	4	4	3	1	1	4	7	-	3	4	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	196
Out	160	-	4	4	3	1	1	4	7	-	3	4	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	196

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II - 5

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	306.841	2.346	3.187	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	312.374
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	306.841	2.346	3.187	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	312.374
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>306.841</b>	<b>2.346</b>	<b>3.187</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>312.374</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS provides the only Quality and Class of Service (QoS/CoS) routing for Multi-Service Voice, Video, and Data domains across available Radio Frequency (RF) paths.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II - 5

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II												
B Kits												
Recurring												
1.1.1) ADNS INC I Sub MCAP - NonOrganic	433	41.260	-	-	-	-	-	-	-	-	-	-
1.1.2) ADNS INC II - NonOrganic <sup>(6)</sup>	212	118.237	1	0.350	-	-	-	-	-	-	-	-
1.1.3) ADNS INC II AIR - Organic	13	2.418	-	-	23	2.780	-	-	-	-	-	-
<i>Subtotal Recurring</i>		161.915		0.350		2.780		0.000		0.000		0.000
<i>Total, PQ069 Automated Digital Network System (ADNS) - Afloat - INC I &amp; II</i>	658	161.915	1	0.350	23	2.780	-	-	-	-	-	-
<i>Total, All Modifications</i>		161.915		0.350		2.780		0.000		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	11.234	-	0.257	-	0.198	-	-	-	-	-	-
2.2) DSA	-	27.803	-	0.679	-	0.059	-	-	-	-	-	-
<i>Total Support Cost</i>		39.037		0.936		0.257		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		200.952		1.286		3.037		0.000		0.000		0.000
<i>Total Installation Cost</i>		105.889		1.060		0.150		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		306.841		2.346		3.187		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II												
B Kits												
Recurring												
1.1.1) ADNS INC I Sub MCAP - NonOrganic	-	-	-	-	-	-	-	-	-	-	433	41.260

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II - 5

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1.2) ADNS INC II - NonOrganic <sup>(6)</sup>	-	-	-	-	-	-	-	-	-	-	213	118.587
1.1.3) ADNS INC II AIR - Organic	-	-	-	-	-	-	-	-	-	-	36	5.198
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		165.045
<i>Total, PQ069 Automated Digital Network System (ADNS) - Afloat - INC I &amp; II</i>	-	-	-	-	-	-	-	-	-	-	682	165.045
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		165.045
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	11.689
2.2) DSA	-	-	-	-	-	-	-	-	-	-	-	28.541
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		40.230
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		205.275
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		107.099
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>312.374</b>

**Remarks:**

<sup>(6)</sup>1/ Increment II quantities procured include II, IIa, and IIb, which are comprised of various system configurations. Unit costs are based on the average of all units.

2/ First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

<b>Manufacturer Information: PQ069 Automated Digital Network System (ADNS) - Afloat - INC I &amp; II</b>							
Manufacturer Name: SAIC				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 6			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Mar 2012					
Delivery Dates	Mar 2011	Sep 2012					

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II - 5
<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Installation of Equipment - ADNS Afloat - INC I & II
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	639	105.889	6	1.060	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	1	0.150	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>639</b>	<b>105.889</b>	<b>6</b>	<b>1.060</b>	<b>1</b>	<b>0.150</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	645	106.949
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.150
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>646</b>	<b>107.099</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II - 5

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Installation of Equipment - ADNS Afloat - INC I & II
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	639	-	1	3	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	646
Out	639	-	1	3	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	646

<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Afloat - INC I & II	<b>Method of Implementation:</b> Not Installed - ADNS INC II AIR	<b>Installation Quantity:</b> 36
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II - 6

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	56.440	2.221	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	59.061
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	56.440	2.221	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	59.061
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>56.440</b>	<b>2.221</b>	<b>0.400</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>59.061</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS allows services and applications to interconnect to the Defense Information Systems Network (DISN) ashore via multiple Radio Frequency (RF) resources and pier connectivity.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II - 6

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II												
B Kits												
Recurring												
1.1.1) ADNS INC I - NonOrganic	60	33.876	-	-	-	-	-	-	-	-	-	-
1.1.2) ADNS INC II - NonOrganic <sup>(7)</sup>	15	2.780	5	1.028	4	0.200	-	-	-	-	-	-
<i>Subtotal Recurring</i>		36.656		1.028		0.200		0.000		0.000		0.000
<i>Total, PQ069 Automated Digital Network System (ADNS) - Ashore - INC I &amp; II</i>	75	36.656	5	1.028	4	0.200	-	-	-	-	-	-
<i>Total, All Modifications</i>		36.656		1.028		0.200		0.000		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	1.707	-	-	-	-	-	-	-	-	-	-
2.2) Pre-Installation Design	-	0.375	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		2.082		0.000		0.000		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		38.738		1.028		0.200		0.000		0.000		0.000
<i>Total Installation Cost</i>		17.702		1.193		0.200		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		56.440		2.221		0.400		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II												
B Kits												
Recurring												
1.1.1) ADNS INC I - NonOrganic	-	-	-	-	-	-	-	-	-	-	60	33.876
1.1.2) ADNS INC II - NonOrganic <sup>(7)</sup>	-	-	-	-	-	-	-	-	-	-	24	4.008

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II - 6

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		37.884
<i>Total, PQ069 Automated Digital Network System (ADNS) - Ashore - INC I &amp; II</i>	-	-	-	-	-	-	-	-	-	-	84	37.884
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		37.884
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	1.707
2.2) Pre-Installation Design	-	-	-	-	-	-	-	-	-	-	-	0.375
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		2.082
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		39.966
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		19.095
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>59.061</b>

**Remarks:**

- (7)1/ Legacy increments will remain in the fleet throughout the FYDP. Therefore, tech refresh required to field hardware to address End of Life issues.
- 2/ ADNS Budget is transferred to BLI2915 for FY13 and beyond.

**Manufacturer Information: PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II**

Manufacturer Name: SAIC				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 4			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Nov 2010	Nov 2011					
Delivery Dates	Mar 2011	Mar 2012					

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II - 6
<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - ADNS Ashore - INC I & II
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	73	17.702	2	0.265	-	-	-	-	-	-	-	-
FY 2011	-	-	5	0.928	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	4	0.200	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>73</b>	<b>17.702</b>	<b>7</b>	<b>1.193</b>	<b>4</b>	<b>0.200</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	75	17.967
FY 2011	-	-	-	-	-	-	-	-	-	-	5	0.928
FY 2012	-	-	-	-	-	-	-	-	-	-	4	0.200
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>84</b>	<b>19.095</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II - 6

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Ashore - INC I & II	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - ADNS Ashore - INC I & II
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<b>Installation Schedule</b>																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	73	-	2	3	2	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Out	73	-	2	3	2	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> PQ069 Automated Digital Network System (ADNS) - Afloat - INC III - 7

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	45.005	22.533	33.737	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	101.275
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	45.005	22.533	33.737	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	101.275
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>45.005</b>	<b>22.533</b>	<b>33.737</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>101.275</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS provides the only Quality and Class of Service (QoS/CoS) routing for Multi-Service Voice, Video, and Data domains across available Radio Frequency (RF) paths.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Afloat - INC III - 7

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ069 Automated Digital Network System (ADNS) - Afloat - INC III												
B Kits												
Recurring												
1.1.1) ADNS INC III - NonOrganic <sup>(8)</sup>	19	28.655	13	14.532	22	21.327	-	-	-	-	-	-
<i>Subtotal Recurring</i>		28.655		14.532		21.327		0.000		0.000		0.000
<i>Total, PQ069 Automated Digital Network System (ADNS) - Afloat - INC III</i>	19	28.655	13	14.532	22	21.327	-	-	-	-	-	-
<i>Total, All Modifications</i>		28.655		14.532		21.327		0.000		0.000		0.000
<b>Support</b>												
2.1) ADNS - INC III - Production Support	-	1.438	-	0.850	-	1.188	-	-	-	-	-	-
2.2) ADNS - INC III - DSA	-	7.238	-	2.167	-	3.051	-	-	-	-	-	-
<i>Total Support Cost</i>		8.676		3.017		4.239		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		37.331		17.549		25.566		0.000		0.000		0.000
<i>Total Installation Cost</i>		7.674		4.984		8.171		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>45.005</b>		<b>22.533</b>		<b>33.737</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ069 Automated Digital Network System (ADNS) - Afloat - INC III												
B Kits												
Recurring												
1.1.1) ADNS INC III - NonOrganic <sup>(8)</sup>	-	-	-	-	-	-	-	-	-	-	54	64.514
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		64.514
<i>Total, PQ069 Automated Digital Network System (ADNS) - Afloat - INC III</i>	-	-	-	-	-	-	-	-	-	-	54	64.514
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		64.514

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Afloat - INC III - 7

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Support</b>												
2.1) ADNS - INC III - Production Support	-	-	-	-	-	-	-	-	-	-	-	3.476
2.2) ADNS - INC III - DSA	-	-	-	-	-	-	-	-	-	-	-	12.456
<b>Total Support Cost</b>		0.000		0.000		0.000		0.000		0.000		15.932
<b>Procurement Cost (Procurement + Support)</b>		0.000		0.000		0.000		0.000		0.000		80.446
<b>Total Installation Cost</b>		0.000		0.000		0.000		0.000		0.000		20.829
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		0.000		0.000		101.275

**Remarks:**

- <sup>(8)</sup>1/ Average unit cost fluctuations for procurement and installation are due to varying system configurations required for surface and submarine platforms. ADNS INC III Afloat range (P) \$.5M - \$1.4M; (I) \$.4M - \$1.0M.
- 2/ INC III units require an additional 4 months after delivery for required integration, assembly and testing prior to installation start. Installs do not begin until 11 months after contact award (7 months PLT + 4 months integration).
- 3/ First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.
- 4/ ADNS Budget is transferred to BLI2915 for FY13 and beyond. Qty 18 procurements in FY12 will be installed in FY13 and they appear on the new ADNS Inc III P-3a under LI 2915.

**Manufacturer Information: PQ069 Automated Digital Network System (ADNS) - Afloat - INC III**

Manufacturer Name: SAIC				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 7			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Nov 2010						
Delivery Dates	Jun 2011						

Manufacturer Name: SAIC				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 7			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Nov 2011					
Delivery Dates		Jun 2012					

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Afloat - INC III - 7
<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Afloat - INC III	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - ADNS Afloat - INC III
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	12	7.674	7	3.904	-	-	-	-	-	-	-	-
FY 2011	-	-	2	1.080	11	6.042	-	-	-	-	-	-
FY 2012	-	-	-	-	4	2.129	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>12</b>	<b>7.674</b>	<b>9</b>	<b>4.984</b>	<b>15</b>	<b>8.171</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	19	11.578
FY 2011	-	-	-	-	-	-	-	-	-	-	13	7.122
FY 2012	-	-	-	-	-	-	-	-	-	-	4	2.129
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>36</b>	<b>20.829</b>



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> PQ069 Automated Digital Network System (ADNS) - Afloat - INC III - 7

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Afloat Increment III.	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Afloat - INC III	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - ADNS Afloat - INC III
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<b>Installation Schedule</b>																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	12	-	5	1	1	2	6	3	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
Out	12	-	5	1	1	2	6	3	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC III - 8

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.151	6.592	16.289	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.032
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	10.151	6.592	16.289	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.032
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>10.151</b>	<b>6.592</b>	<b>16.289</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>33.032</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS allows services and applications to interconnect to the Defense Information Systems Network (DISN) ashore via multiple Radio Frequency (RF) resources and pier connectivity.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC III - 8

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
PQ069 Automated Digital Network System (ADNS) - Ashore - INC III												
B Kits												
Recurring												
1.1.1) ADNS INC III - NonOrganic <sup>(9)</sup>	6	6.068	2	5.075	3	14.748	-	-	-	-	-	-
<i>Subtotal Recurring</i>		6.068		5.075		14.748		0.000		0.000		0.000
<i>Total, PQ069 Automated Digital Network System (ADNS) - Ashore - INC III</i>	6	6.068	2	5.075	3	14.748	-	-	-	-	-	-
<i>Total, All Modifications</i>		6.068		5.075		14.748		0.000		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	0.342	-	0.307	-	0.769	-	-	-	-	-	-
<i>Total Support Cost</i>		0.342		0.307		0.769		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		6.410		5.382		15.517		0.000		0.000		0.000
<i>Total Installation Cost</i>		3.741		1.210		0.772		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		10.151		6.592		16.289		0.000		0.000		0.000

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
PQ069 Automated Digital Network System (ADNS) - Ashore - INC III												
B Kits												
Recurring												
1.1.1) ADNS INC III - NonOrganic <sup>(9)</sup>	-	-	-	-	-	-	-	-	-	-	11	25.891
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		25.891
<i>Total, PQ069 Automated Digital Network System (ADNS) - Ashore - INC III</i>	-	-	-	-	-	-	-	-	-	-	11	25.891

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC III - 8

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		25.891
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	1.418
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		1.418
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		0.000		0.000		27.309
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		5.723
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>33.032</b>

**Remarks:**  
<sup>(9)</sup>1/ FY11 - FY12 quantities represent ADNS NOCS, SUB BCA, test and training sites.  
 2/ In FY12, qty 3 include COMSUBPAC (unit cost approx. 3.5M), NCTAMS LANT and NCTAMS PAC - 200 ship configuration (approx. \$5.6M ea.).  
 3/ INC III ashore units require an additional 4 months after delivery for required integration, assembly, testing and shipping that must occur prior to installation start.  
 4/ Installs do not begin until 11 months after procurement contract award (7 months PLT + 4 months integration).  
 5/ Installation unit cost varies across shore sites depending on configuration of the associated procurements.  
 6/ ADNS Budget is transferred to BLI2915 for FY13 and beyond. Qty 3 procurements in FY12 will be installed in FY13 and appear on the new ADNS Inc III P-3a under LI 2915.

**Manufacturer Information: PQ069 Automated Digital Network System (ADNS) - Ashore - INC III**

Manufacturer Name: SAIC				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 7			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Nov 2010						
Delivery Dates	Jun 2011						
Manufacturer Name: Unknown				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 7			

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC III - 8

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information: PQ069 Automated Digital Network System (ADNS) - Ashore - INC III**

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012					
Delivery Dates		Sep 2012					

<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Ashore - INC III	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - ADNS Ashore - INC III
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	4	3.741	2	0.610	-	-	-	-	-	-	-	-
FY 2011	-	-	1	0.600	1	0.772	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	3	0.000	0	0.000	3	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>4</b>	<b>3.741</b>	<b>3</b>	<b>1.210</b>	<b>1</b>	<b>0.772</b>	<b>3</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>3</b>	<b>0.000</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	6	4.351
FY 2011	-	-	-	-	-	-	-	-	-	-	2	1.372
FY 2012	-	-	-	-	-	-	-	-	-	-	3	0.000
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ069 Automated Digital Network System (ADNS) - Ashore - INC III - 8

<b>Models of Systems Affected:</b> Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> PQ069 Automated Digital Network System (ADNS) - Ashore - INC III	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - ADNS Ashore - INC III
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	11	5.723

Installation Schedule		FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
	APY	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	4	-	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	4	-	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo - 9

<b>Models of Systems Affected:</b> Tactical Messaging			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	141.188	0.340	3.668	5.217	0.000	5.217	3.744	3.741	4.047	4.066	0.000	166.011
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	141.188	0.340	3.668	5.217	0.000	5.217	3.744	3.741	4.047	4.066	0.000	166.011
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>141.188</b>	<b>0.340</b>	<b>3.668</b>	<b>5.217</b>	<b>0.000</b>	<b>5.217</b>	<b>3.744</b>	<b>3.741</b>	<b>4.047</b>	<b>4.066</b>	<b>0.000</b>	<b>166.011</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Tactical Messaging program contains all components to provide tactical units with automated, efficient and reliable message handling via the NAVMACS II SMS, NAVMACS II Submarine SMS and Fleet SIPRNET Messaging systems and will transition shore and afloat messaging into Command and Control Official Information eXchange (C2OIX) a single end-to-end messaging system.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo - 9

<b>Models of Systems Affected:</b> Tactical Messaging	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo												
B Kits												
Recurring												
1.1.1) Equipment Prior Year Sunk - NonOrganic	233	93.506	-	-	-	-	-	-	-	-	-	-
1.1.2) Tactical Messaging Tech Refresh - NonOrganic	-	-	-	-	3	2.775	-	-	-	-	-	-
1.1.3) C2OIX - NonOrganic <sup>(10)</sup>	-	-	-	-	-	-	29	1.778	-	-	29	1.778
<i>Subtotal Recurring</i>		93.506		0.000		2.775		1.778		0.000		1.778
NonRecurring												
1.2.1) Non-Recurring Equipment - Organic	1	1.982	-	-	-	-	-	-	-	-	-	-
<i>Subtotal NonRecurring</i>		1.982		0.000		0.000		0.000		0.000		0.000
<i>Total, PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo</i>	234	95.488	-	-	3	2.775	29	1.778	-	-	29	1.778
<i>Total, All Modifications</i>		95.488		0.000		2.775		1.778		0.000		1.778
<b>Support</b>												
2.1) Production Support	-	7.773	-	0.118	-	0.206	-	0.107	-	-	-	0.107
2.2) DSA	-	4.413	-	-	-	0.087	-	1.205	-	-	-	1.205
<i>Total Support Cost</i>		12.186		0.118		0.293		1.312		0.000		1.312
<i>Procurement Cost (Procurement + Support)</i>		107.674		0.118		3.068		3.090		0.000		3.090
<i>Total Installation Cost</i>		33.514		0.222		0.600		2.127		0.000		2.127
<b>Total Cost (Procurement + Support + Installation)</b>		141.188		0.340		3.668		5.217		0.000		5.217

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11				<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo - 9					
<b>Models of Systems Affected:</b> Tactical Messaging			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b>					
<b>Financial Plan</b>		<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
		<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo													
B Kits													
Recurring													
1.1.1) Equipment Prior Year Sunk - NonOrganic		-	-	-	-	-	-	-	-	-	-	233	93.506
1.1.2) Tactical Messaging Tech Refresh - NonOrganic		-	-	-	-	-	-	-	-	-	-	3	2.775
1.1.3) C2OIX - NonOrganic <sup>(10)</sup>		24	1.396	25	1.271	27	1.485	27	1.481	-	-	132	7.411
<i>Subtotal Recurring</i>			1.396		1.271		1.485		1.481		0.000		103.692
NonRecurring													
1.2.1) Non-Recurring Equipment - Organic		-	-	-	-	-	-	-	-	-	-	1	1.982
<i>Subtotal NonRecurring</i>			0.000		0.000		0.000		0.000		0.000		1.982
<i>Total, PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo</i>		24	1.396	25	1.271	27	1.485	27	1.481	-	-	369	105.674
<i>Total, All Modifications</i>			1.396		1.271		1.485		1.481		0.000		105.674
<b>Support</b>													
2.1) Production Support		-	0.084	-	0.083	-	0.088	-	0.089	-	-	-	8.548
2.2) DSA		-	0.569	-	0.635	-	0.672	-	0.660	-	-	-	8.241
<i>Total Support Cost</i>			0.653		0.718		0.760		0.749		0.000		16.789
<i>Procurement Cost (Procurement + Support)</i>			2.049		1.989		2.245		2.230		0.000		122.463
<i>Total Installation Cost</i>			1.695		1.752		1.802		1.836		0.000		43.548
<b>Total Cost (Procurement + Support + Installation)</b>			<b>3.744</b>		<b>3.741</b>		<b>4.047</b>		<b>4.066</b>		<b>0.000</b>		<b>166.011</b>
<b>Remarks:</b> <sup>(10)</sup> 1/ Tactical Messaging unit costs fluctuations in FY12 & FY13 are due to procurement/fielding of Tactical Messaging Tech Refreshes & additional intergration efforts required to prepare for the transition to C2OIX in FY13. 2/ Administrative lead time in FY13 is 4 months due to initial contract award, 3 months thereafter. 3/ Increase in FY13 DSA reflects the start of C2OIX Full Rate Production and includes 100% DSA for FY13 installations and 75% DSA for FY14 installations.													

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo - 9

<b>Models of Systems Affected:</b> Tactical Messaging	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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**Manufacturer Information: PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo**

Manufacturer Name: SSC LANT	Manufacturer Location: Charleston, SC
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 4

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Dec 2011					
Delivery Dates		Apr 2012					

Manufacturer Name: Unknown	Manufacturer Location: SSC LANT, SC
Administrative Leadtime ( <i>in Months</i> ): 4	Production Leadtime ( <i>in Months</i> ): 4

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Jan 2013				
Delivery Dates			May 2013				

<b>Installation:</b> PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - C2OIX Afloat
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	232	33.514	1	0.222	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	3	0.600	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	29	2.127	0	0.000	29	2.127
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>232</b>	<b>33.514</b>	<b>1</b>	<b>0.222</b>	<b>3</b>	<b>0.600</b>	<b>29</b>	<b>2.127</b>	<b>0</b>	<b>0.000</b>	<b>29</b>	<b>2.127</b>



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11				<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ065 Tactical Messaging Ashore - 10				

**Models of Systems Affected:** Tactical Messaging      **Type Modification:** [No Modification Type Specified]      **Related RDT&E PEs:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	1.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.196
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	1.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.196
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>1.196</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.196</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Tactical Messaging program contains all components to provide customers with automated, efficient and reliable message handling via the Naval Regional Enterprise Messaging System (NREMS) and will transition shore messaging into C2OIX, a single end-to-end messaging system.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ065 Tactical Messaging Ashore - 10

<b>Models of Systems Affected:</b> Tactical Messaging	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ065 Tactical Messaging Ashore												
B Kits												
Recurring												
1.1.1) Equipment - NonOrganic	-	-	-	-	1	0.925	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		0.925		0.000		0.000		0.000
<i>Total, PQ065 Tactical Messaging Ashore</i>	-	-	-	-	1	0.925	-	-	-	-	-	-
<i>Total, All Modifications</i>		0.000		0.000		0.925		0.000		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	0.046	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.046		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.971		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.225		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>1.196</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ065 Tactical Messaging Ashore												
B Kits												
Recurring												
1.1.1) Equipment - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	0.925
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		0.925
<i>Total, PQ065 Tactical Messaging Ashore</i>	-	-	-	-	-	-	-	-	-	-	1	0.925
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		0.925
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	-	-	-	-	0.046
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.046

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ065 Tactical Messaging Ashore - 10

<b>Models of Systems Affected:</b> Tactical Messaging	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Procurement Cost (Procurement + Support)		0.000		0.000		0.000		0.000		0.000		0.971
Total Installation Cost		0.000		0.000		0.000		0.000		0.000		0.225
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>1.196</b>

**Remarks:**

**Manufacturer Information:** PQ065 Tactical Messaging Ashore

Manufacturer Name: SSC LANT	Manufacturer Location: Charleston, SC
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 4

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Dec 2011					
Delivery Dates		Apr 2012					

**Installation:** PQ065 Tactical Messaging Ashore

<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - Tactical Messaging Ashore
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	1	0.225	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	<b>1</b>	<b>0.225</b>	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ065 Tactical Messaging Ashore - 10
<b>Models of Systems Affected:</b> Tactical Messaging	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ065 Tactical Messaging Ashore	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Installation of Equipment - Tactical Messaging Ashore
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.225
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	1	0.225

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Out	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11				<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> PQ070 Tactical Switching - 11				
<b>Models of Systems Affected:</b> Tactical Switching Ashore			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	169.543	22.373	22.836	19.866	0.000	19.866	18.888	18.320	26.232	20.434	0.000	318.492
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	169.543	22.373	22.836	19.866	0.000	19.866	18.888	18.320	26.232	20.434	0.000	318.492
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	169.543	22.373	22.836	19.866	0.000	19.866	18.888	18.320	26.232	20.434	0.000	318.492

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Tactical Switching Ashore has been structured to support the migration of the shore sites and their terrestrial interconnections into a coherent, scalable, network-centric capability.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Tactical Switching Ashore		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ070 Tactical Switching - 11
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ070 Tactical Switching												
B Kits												
Recurring												
1.1.1) Equipment - Increment I - NonOrganic <sup>(11)</sup>	10	33.814	-	-	-	-	-	-	-	-	-	-
1.1.2) Equipment - Increment II - NonOrganic	20	97.445	5	18.495	5	18.655	5	15.883	-	-	5	15.883
1.1.3) Equipment - Increment III - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		131.259		18.495		18.655		15.883	0.000			15.883
<i>Total, PQ070 Tactical Switching</i>	30	131.259	5	18.495	5	18.655	5	15.883	-	-	5	15.883
<i>Total, All Modifications</i>		131.259		18.495		18.655		15.883	0.000			15.883
<b>Support</b>												
2.1) Production Support	-	12.378	-	1.503	-	1.203	-	1.064	-	-	-	1.064
2.2) DSA	-	1.946	-	-	-	-	-	-	-	-	-	-
<i>Total Support Cost</i>		14.324		1.503		1.203		1.064	0.000			1.064
<i>Procurement Cost (Procurement + Support)</i>		145.583		19.998		19.858		16.947	0.000			16.947
<i>Total Installation Cost</i>		23.960		2.375		2.978		2.919	0.000			2.919
<b>Total Cost (Procurement + Support + Installation)</b>		169.543		22.373		22.836		19.866	0.000			19.866

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
PQ070 Tactical Switching												
B Kits												
Recurring												
1.1.1) Equipment - Increment I - NonOrganic <sup>(11)</sup>	-	-	-	-	-	-	-	-	-	-	10	33.814
1.1.2) Equipment - Increment II - NonOrganic	5	15.132	5	14.631	-	-	-	-	-	-	45	180.241
1.1.3) Equipment - Increment III - NonOrganic	-	-	-	-	5	20.716	5	15.937	-	-	10	36.653

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): PQ070 Tactical Switching - 11

<b>Models of Systems Affected:</b> Tactical Switching Ashore	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<i>Subtotal Recurring</i>		15.132		14.631		20.716		15.937		0.000		250.708
<i>Total, PQ070 Tactical Switching</i>	5	15.132	5	14.631	5	20.716	5	15.937	-	-	65	250.708
<i>Total, All Modifications</i>		15.132		14.631		20.716		15.937		0.000		250.708
<b>Support</b>												
2.1) Production Support	-	0.994	-	0.918	-	1.274	-	1.087	-	-	-	20.421
2.2) DSA	-	-	-	-	-	-	-	-	-	-	-	1.946
<i>Total Support Cost</i>		0.994		0.918		1.274		1.087		0.000		22.367
<i>Procurement Cost (Procurement + Support)</i>		16.126		15.549		21.990		17.024		0.000		273.075
<i>Total Installation Cost</i>		2.762		2.771		4.242		3.410		0.000		45.417
<b>Total Cost (Procurement + Support + Installation)</b>		<b>18.888</b>		<b>18.320</b>		<b>26.232</b>		<b>20.434</b>		<b>0.000</b>		<b>318.492</b>

**Remarks:**

<sup>(1)</sup>1/ Quantities represent 5 major shore regions (Naval Computer and Telecommunications Area Master Station Pacific (NCTAMS PAC), Naval Computer and Telecommunications Area Master Station Atlantic (NCTAMS LANT), Naval Computer & Telecommunications Station Naples (NCTS NAPLES), Naval Computer & Telecommunications Station Bahrain (NCTS Bahrain), and Naval Computer & Telecommunications Station San Diego (NCTS San Diego) with a total of 40+ shore communication activities spanning the 5 regions. Increment II upgrades will be implemented at the major shore regions consolidating into Global Network Operations and Security Centers through FY15. Increment III upgrades Transport, IP Services, and NetOps efficiencies, leveraging other DoN and DoD's Defense Enterprise Computing Center (DECC) infrastructure initiatives for DoN/DoD IT consolidation.

2/ Tactical Switching (TSw) consists of 17 different systems incorporated into a consolidated single enterprise architecture. Installation costs vary each year/site depending on what modernization must be done at each site.

Costs vary depending upon whether or not installs address increased bandwidth, risk vulnerabilities, increased survivability and reliability, and migration to an all-Internet Protocol (IP) architecture.

<b>Manufacturer Information: PQ070 Tactical Switching</b>							
Manufacturer Name: CALI Contract				Manufacturer Location: Various			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 2			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Jul 2011	Mar 2012	Jan 2013				
Delivery Dates	Sep 2011	May 2012	Mar 2013				
Manufacturer Name: SSC LANT				Manufacturer Location: Charleston, SC			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 2			

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Tactical Switching Ashore		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ070 Tactical Switching - 11
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

<b>Manufacturer Information: PQ070 Tactical Switching</b>							
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2010	Jan 2012	Jan 2013				
Delivery Dates	Jan 2011	Mar 2012	Mar 2013				

<b>Installation:</b> PQ070 Tactical Switching			<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Installation of Equipment - Tactical Switching					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	30	23.960	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	5	2.375	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	5	2.978	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	5	2.919	0	0.000	5	2.919
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	30	23.960	5	2.375	5	2.978	5	2.919	0	0.000	5	2.919

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	30	23.960
FY 2011	-	-	-	-	-	-	-	-	-	-	5	2.375
FY 2012	-	-	-	-	-	-	-	-	-	-	5	2.978
FY 2013	-	-	-	-	-	-	-	-	-	-	5	2.919
FY 2014	5	2.762	-	-	-	-	-	-	-	-	5	2.762
FY 2015	-	-	5	2.771	-	-	-	-	-	-	5	2.771
FY 2016	-	-	-	-	5	4.242	-	-	-	-	5	4.242
FY 2017	-	-	-	-	-	-	5	3.410	-	-	5	3.410

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 3050 - Ship Communications Automation
<b>Models of Systems Affected:</b> Tactical Switching Ashore		<b>Modification Nomenclature (Modification Title, Modification Number):</b> PQ070 Tactical Switching - 11
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b>

<b>Installation:</b> PQ070 Tactical Switching		<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Installation of Equipment - Tactical Switching						
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	2.762	5	2.771	5	4.242	5	3.410	-	-	65	45.417

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	30	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	65
Out	30	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	65

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 11 : Shipboard Communications

**P-1 Line Item Nomenclature:**  
3051 - MDA

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	4.898	7.608	24.022	1.063	-	1.063	-	-	-	-	0.000	37.591
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4.898	7.608	24.022	1.063	-	1.063	-	-	-	-	0.000	37.591
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4.898	7.608	24.022	1.063	-	1.063	-	-	-	-	0.000	37.591

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	0.152	0.334	0.039	-	0.039	-	-	-	-	0.000	0.525
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M) Maritime Domain Awareness (MDA): The CENTRIXS program provides US Navy ships with secure, reliable, high-speed Local Area Network with access to the Coalition Wide Area Network (WAN) to include CENTRIXS Four-Eyes, Global Counter Terrorism Task Force, NATO Information Data Transfer System, Multinational Coalition Force - Iraq, bilateral networks such as Combined Enterprise Regional Information Exchange System - US/Japan and Combined Enterprise Regional Information Exchange System - US/Korea, and Communities Of Interest virtual networks such as Coalition Naval Forces - CENTCOM and Cooperative Maritime Forces - Pacific. The CENTRIXS system provides real-time tactical and operational information sharing at the SECRET and SECRET REL (Releasable) level between naval afloat units, Component Commanders, Fleet Commanders, Numbered Fleet Commanders and Coalition Forces/Allies. When the CENTRIXS network is combined with other subsystems (Radio/Satellite Comms), it delivers an end-to-end network centric war fighting capability. The CENTRIXS program is comprised of Block 0, I and II systems fielded across the Fleet, and Increment 1 which will provide a network infrastructure that allows simultaneous access to multiple WANs and incorporates the Common Personal Computer Operating System Environment (COMPOSE). COMPOSE provides a server and client operating system environment for other applications and collaborative tools such as Same time Chat, Domino and Command and Control Personal Computer as means to share a Common Operational Picture (COP) and exchange information using Collaboration At Sea. The CENTRIXS program uses both Commercial Off The Shelf hardware and software and Open Standards to maximize commercial technology and support. In-service engineering and technical support ensures existing systems are upgraded and modified to keep pace with current technology and industry.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
MDA (See enclosed P-40A)	P40A, P5A				4.898			7.608			24.022			1.063			0.000			1.063
<b>Total Gross/Weapon System Cost</b>				<b>4.898</b>			<b>7.608</b>			<b>24.022</b>			<b>1.063</b>			-			<b>1.063</b>	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 11 : Shipboard Communications		<b>P-1 Line Item Nomenclature:</b> 3051 - MDA
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
In FY13 CENTRIXS completes installation of FY12 Increment 1 Afloat Procurements. Fully transitions to CANES by FY14.		

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 11							P-1 Line Item Nomenclature: 3051 - MDA							Aggregated Item Name: MDA					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) MDA</b>																			
1) New Cost Element		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) MDA				0.000			0.000			0.000			0.000			0.000			0.000
<b>1) PR001 - CENTRIXS-MDA</b>																			
† 1.1) PR001 - CENTRIXS-M MDA INCREMENT 1 (Afloat) <sup>(1)</sup>	A	-	-	2.748	706.330	9	6.357	768.500	14	10.759	-	-	-	-	-	-	-	-	-
† 1.2) PR001 - CENTRIXS-M MDA BLOCK 0/1/2 (Afloat) <sup>(2)</sup>	A	-	-	-	101.100	1	0.101	84.000	11	0.924	-	-	-	-	-	-	-	-	-
Subtotal 1) PR001 - CENTRIXS-MDA				2.748			6.458			11.683			0.000			0.000			0.000
<b>2) PR555 - CENTRIXS PRODUCTION SUPPORT</b>																			
2.1) PR555 - CENTRIXS-M PRODUCTION SUPPORT INC 1 (Afloat)	A	-	-	0.290	-	-	0.550	-	-	0.549	-	-	-	-	-	-	-	-	-
2.2) PR555 - CENTRIXS-M MDA	A	-	-	-	-	-	-	-	-	0.066	-	-	-	-	-	-	-	-	-
Subtotal 2) PR555 - CENTRIXS PRODUCTION SUPPORT				0.290			0.550			0.615			0.000			0.000			0.000
<b>3) PR777 - CENTRIXS INSTALLS &amp; DSA</b>																			
3.1) PR777 - CENTRIX DSA INSTALLS INC 1 (Afloat)	A	-	-	0.360	-	-	0.600	-	-	0.603	-	-	0.022	-	-	-	-	-	0.022
3.2) PR777 - CENTRIXS FMP INSTALL INC 1 (Afloat)	A	-	-	1.500	-	-	-	-	-	10.563	-	-	1.041	-	-	-	-	-	1.041
3.3) PR777 - CENTRIXS FMP INSTALL BLK 0/1/2	A	-	-	-	-	-	-	-	-	0.558	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3051 - MDA	<b>Aggregated Item Name:</b> MDA
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal 3) PR777 - CENTRIXS INSTALLS & DSA				1.860			0.600			11.724			1.063			0.000			1.063
<b>Total</b>				<b>4.898</b>			<b>7.608</b>			<b>24.022</b>			<b>1.063</b>			<b>0.000</b>			<b>1.063</b>

**Remarks:**  
 (1)--OPN funding begins transition to CANES FY13 and fully transitions by FY14.  
 --FY11/12 NCN Fly-Away Kits do not require installation.  
 --Since PB12, Block 0,1,2 realigned program funding to INC I to fund coalition requirements, resulting in a quantity decrease from 22 to 9 units in FY12. The 13 reduced units will be fielded by CANES after FY12.  
 (2)Block 0/1/2 Installs do not require DSA funding.



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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3051 - MDA	<b>Aggregated Item Name:</b> MDA
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) PR001 - CENTRIXS-MDA</b>												
1.1) PR001 - CENTRIXS-M MDA INCREMENT 1 (Afloat)		2011	Lockheed Martin / Eagan, MN	C / IDIQ	SPAWAR	Apr 2011	Nov 2011	9	706.330	Y		
1.1) PR001 - CENTRIXS-M MDA INCREMENT 1 (Afloat)		2012	General Dynamics / San Diego, CA	C / IDIQ	SPAWAR	Dec 2011	Jul 2012	14	768.500	Y		
1.2) PR001 - CENTRIXS-M MDA BLOCK 0/1/2 (Afloat)		2011	SSC LANT / Charleston, SC	C / IDIQ	SPAWAR	Nov 2010	Jan 2011	1	101.100	Y		
1.2) PR001 - CENTRIXS-M MDA BLOCK 0/1/2 (Afloat) <sup>(3)</sup>		2012	SSC LANT / Lockheed Martin / Charleston, SC / Eagan, MN	C / IDIQ	SPAWAR	Nov 2011	Jan 2012	11	84.000	Y		

**Remarks:**

<sup>(3)</sup>Block 0/1 procurements are contracted through SSC LANT. Block 2 procurements are contracted through Lockheed Martin, Eagan, MN.;

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 11 : Shipboard Communications	<b>P-1 Line Item Nomenclature:</b> 3057 - Communications Items under \$5M
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0604280N
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	30.981	27.544	28.522	-	28.522	49.704	75.197	77.511	76.280	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	30.981	27.544	28.522	-	28.522	49.704	75.197	77.511	76.280	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	30.981	27.544	28.522	-	28.522	49.704	75.197	77.511	76.280	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	0.357	0.256	0.425	-	0.425	0.165	0.093	0.082	-	0.000	1.378
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[P40A / NU019 EPLRS-DR]: Enhanced Position Location Reporting System - Data Radio (EPLRS-DR) is a Blue in Support of Green (BISOG) program that provides secure Anti-Jam (AJ), Ultra High Frequency (UHF) (420-450 MHz) and Line of Sight (LOS) data communications in support of amphibious operations at throughputs of up to 54Kbps. EPLRS-DR provides embedded Position Location Information (PLI) between shipboard networks and the shore-based Marine Tactical Data Network (TDN) and the Army Tactical Internet (TI). To meet the National Security Agency (NSA) Mandate, KOK13 (crypto) will be replaced with the KOK23/CKG crypto.

The Conical Log Spiral Mobile (CLSM) antenna is a component of the Marine's Enhanced Man-Pack UHP Tactical (EMUT) Satellite Antenna providing the embarked Marines with a stand alone Ultra High Frequency Satellite Communications (UHF SATCOM) system.

[P40A / NU237 PORTABLE RADIOS]: Portable Radios (PORT RAD): Procures mission essential tactical handheld, manpack, vehicular/fixed mount radios, and ancillaries to meet secure/non-secure voice and data communications requirements for deploying Naval Expeditionary Forces Explosive Ordnance Disposal, Naval Beach Groups, Naval Construction Forces, Navy Cargo-Handling and Port Operations Group, and others under the Naval Expeditionary Combat Enterprise (NECE), and to meet emergency communications requirements for surface ships. Equipment is employed by individual NECE operational elements to accomplish missions, communicate with higher headquarters, conduct command and control of forces, and call for Close Air Support. Procurements are in accordance with Components' Tables of Allowance and are within approved Buy / Plan requirements. Procurement is needed to ensure interoperability with already fielded equipment, and between DoD Forces high priority programs such as Mine Resistant Ambush Protected and Military All-Terrain Vehicles, and Joint forces, including Allied/Coalition priorities.

[P40A / NU238 JTRS HMS Radios]: Joint Tactical Radio System (JTRS) Handheld Mand-pack Small Form Fit (HMS) portable radios: Procures JTRS HMS radios and ancillaries to meet 2-channel manpack secure voice and data communications requirements for Naval Expeditionary forces including Naval Special Warfare Command, and emergency communications requirements for surface ships. The HMS radios are intended to gradually phase out legacy equipment, while phasing in software-defined, crypto-modernizable, 2-channel radios with Mobile User Objective System (MUOS) capability enabling more efficient use of satellite resources.

[P40A / NU239 PORT NSW]: Portable Radio/Naval Special Warfare (PORT NSW) tactical radio: PORT NSW procures hand held and man pack/vehicular radios for NSW. Procurement needed to support Force Protection operations, especially with joint forces. NSW operational elements (SEAL platoons and Combatant Craft Detachments) rely on tactical communications and electronics equipment to accomplish all missions assigned in support of the Joint and Fleet commanders. Navy resourced tactical communications equipment is considered mission essential and will be employed by individual SEAL personnel and NSW combat elements in man pack configurations as well as onboard tactical vehicles and NSW combatant craft in tactical operations centers in fixed mount configurations.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 11 : Shipboard Communications

**P-1 Line Item Nomenclature:**  
 3057 - Communications Items under \$5M

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:** 0604280N

[P40A / NU245 HYDRA]: Hierarchical Yet Dynamic Reprogrammable Architecture (HYDRA): HYDRA AN/SRC-55 will replace stovepipe wireless shipboard systems with an integrated system. HYDRA is a wireless digital voice and data communication system using Commercial of the Shelf (COTS) trunking technology. HYDRA is capable of interfacing with Private Branch Exchange/Battle Group (PBX/BG) Cellular/radio frequency (RF) systems.

[P40A / NU260 DAMA IW ]: Demand Assigned Multiple Access Integrated Waveform (DAMA IW): Provides the Department of Defense and other US Government departments and agencies critical beyond line-of-sight communications for tactical and special forces operations. Ultra High Frequency (UHF) Satellite Communications (SATCOM) is the only military system that enables users to operate communications on-the-move and under all weather conditions and cover. This program implements the UHF SATCOM Integrated Waveform (IW), which will support the warfighter's communications requirements more efficiently. The currently implemented legacy UHF SATCOM DAMA systems are no longer sufficient to meet user requirements. IW provides system enhancements that will more than double the present UHF SATCOM system voice nets, which will be used to reduce the existing gap between UHF SATCOM communications capacity and requirements. IW is a software enhancement on the AN/PSC-5D and AN/PRC 117 radios.

[P40A / NU295 BFTN]: Battle Force Tactical Network (BFTN): BFTN enables delivery of Internet Protocol (IP) based collaboration services over legacy High Frequency (HF) assets. The intent is to provide an interoperable, low data rate, multi-node, Beyond-Line-of-Sight tactical edge networking capability using existing HF radio infrastructure. Supports Tactical Edge Networking and provides data path backbone for both airborne and afloat forces. Supports increased data exchange with Allied Coalition forces. BFTN Inc 1 provides National, Allied, and Coalition maritime units with a medium band IP-based, tactical ship-ship at-sea networking capability, using legacy half-duplex UHF Line-of-Sight. BFTN will provide a bridge between legacy radio systems and future emerging wideband networking technologies.

[P40A / NU790 Navy Expeditionary C4I]: Navy Expeditionary Command, Control, Communications, Computers, & Intelligence (C4I): Provides procurement and integration for outfitting Table of Allowance (TOA) buy lists within the Expeditionary forces. Ensures common C4I solutions are being coordinated, tracked, procured and integrated across Navy Expeditionary Combat Command (NECC) forces.

[P40A / HF ALE DSA/PRE Shore Installation Design]: High Frequency Shipboard Automatic Link Establishment Radio (HF SAR) [Previously known as High Frequency Automatic Link Establishment (HF-ALE)]: Provides 2 channel HF SAR capability aboard Amphibious class ships to support the embarked Marine Air Ground Task Force (MAGTF) commander by providing continuous Line-Of-Sight and Beyond-Line-Of-Sight communications links.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Communications Items under \$5M (See enclosed P-40A)	P40A, P5A, P21				0.000			30.981			27.544			28.522			0.000			28.522
<b>Total Gross/Weapon System Cost</b>				-			30.981			27.544			28.522			-				28.522

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

NU019 - EPLRS-DR: FY13 funding will be used for the installation of 8 KOK23 and 5 CLSM antennas.

NU237 - PORT RAD: FY13 funding is to procure 17 radios.

NU239 - PORT NSW: FY13 funding is to procure 523 radios.

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 11 : Shipboard Communications		<b>P-1 Line Item Nomenclature:</b> 3057 - Communications Items under \$5M
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b> 0604280N
NU260 - DAMA IW: FY13 funding is to procure two IW-capable systems and install those procured in FY12.		
NU777 - HF SAR (Previously known as High Frequency Automatic Link Establishment (HF-ALE): FY13 will fund 5 installations.		
NU790 - Navy Expeditionary C4I: FY13 funds will be used to procure and integrate Tactical Radio Upgrades for Mine Resistant Ambush Protected (MRAP) vehicles which are centrally managed.		

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 11					P-1 Line Item Nomenclature: 3057 - Communications Items under \$5M										Aggregated Item Name: Communications Items under \$5M					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
<b>1) NU019 EPLRS-DR</b>																				
† 1.1) EPLRS-DR Procurement	A	-	-	-	62.880	25	1.572	63.667	6	0.382	-	-	-	-	-	-	-	-	-	
<i>Subtotal 1) NU019 EPLRS-DR</i>				0.000			1.572			0.382			0.000			0.000			0.000	
<b>2) NU237 PORTABLE RADIOS</b>																				
† 2.1) PORT RAD - Hand Held Procurement	A	-	-	-	-	-	-	6.318	24	0.152	6.425	11	0.071	-	-	-	-	6.425	11	0.071
† 2.2) PORT RAD - Man Pack Procurement	A	-	-	-	-	-	-	38.400	5	0.192	39.053	6	0.234	-	-	-	-	39.053	6	0.234
<i>Subtotal 2) NU237 PORTABLE RADIOS</i>				0.000			0.000			0.344			0.305			0.000			0.305	
<b>3) NU238 JTRS HMS Radios</b>																				
† 3.1) JTRS HMS Radios Procurement	B	-	-	-	84.293	58	4.889	-	-	-	-	-	-	-	-	-	-	-	-	-
† 3.2) JTRS HMS Manpack Radios Procurement	A	-	-	-	-	-	-	-	-	-	62.040	50	3.102	-	-	-	-	62.040	50	3.102
<i>Subtotal 3) NU238 JTRS HMS Radios</i>				0.000			4.889			0.000			3.102			0.000			3.102	
<b>4) NU239 PORT NSW</b>																				
† 4.1) PORT NSW Hand Held Procurement	A	-	-	-	12.210	182	2.222	12.420	202	2.509	12.629	359	4.534	-	-	-	-	12.629	359	4.534
† 4.2) PORT NSW Man Pack Procurement	A	-	-	-	36.519	230	8.399	37.140	216	8.022	37.771	150	5.666	-	-	-	-	37.771	150	5.666
† 4.3) PORT NSW Vehicular Procurement	A	-	-	-	71.089	65	4.621	105.810	19	2.010	107.609	14	1.507	-	-	-	-	107.609	14	1.507
<i>Subtotal 4) NU239 PORT NSW</i>				0.000			15.242			12.541			11.707			0.000			11.707	
<b>5) NU245 HYDRA</b>																				
† 5.1) Hydra Procurement	A	-	-	-	2,382.000	1	2.382	730.000	1	0.730	1,532.500	2	3.065	-	-	-	-	1,532.500	2	3.065
<i>Subtotal 5) NU245 HYDRA</i>				0.000			2.382			0.730			3.065			0.000			3.065	
<b>6) NU260 DAMA IW</b>																				

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 11 **P-1 Line Item Nomenclature:** 3057 - Communications Items under \$5M **Aggregated Item Name:** Communications Items under \$5M

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
† 6.1) DAMA IW Patrol Craft (PC) Procurement	A	-	-	-	-	-	-	799.000	3	2.397	501.138	2	1.002	-	-	-	501.138	2	1.002
6.2) DAMA IW Destroyers (DDGs)	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) NU260 DAMA IW</i>				<i>0.000</i>						<i>2.397</i>			<i>1.002</i>						<i>1.002</i>
<b>7) NU295 BFTN</b>																			
† 7.1) BFTN Procurement	B	-	-	-	-	-	-	251.667	9	2.265	-	-	-	-	-	-	-	-	-
<i>Subtotal 7) NU295 BFTN</i>				<i>0.000</i>						<i>2.265</i>			<i>0.000</i>						<i>0.000</i>
<b>8) NU790 Navy Expeditionary C4I</b>																			
† 8.1) Navy Expeditionary C4I Procurement	A	-	-	-	-	-	-	-	-	-	69.091	11	0.760	-	-	-	69.091	11	0.760
<i>Subtotal 8) NU790 Navy Expeditionary C4I</i>				<i>0.000</i>						<i>0.000</i>			<i>0.760</i>						<i>0.760</i>
<b>9) NUXXX MUOS SST</b>																			
9.1) MUOS SST Procurement	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 9) NUXXX MUOS SST</i>				<i>0.000</i>						<i>0.000</i>			<i>0.000</i>						<i>0.000</i>
<b>10) NU555 Production Support</b>																			
10.1) EPLRS-DR Production Support	A	-	-	-	-	-	0.076	-	-	0.019	-	-	-	-	-	-	-	-	-
10.2) PORT RAD Production Support	A	-	-	-	-	-	-	-	-	0.077	-	-	0.014	-	-	-	-	-	0.014
10.3) JTRS HMS Manpack Production Support	A	-	-	-	-	-	-	-	-	-	-	-	0.198	-	-	-	-	-	0.198
10.4) JTRS HMS Radios Production Support	B	-	-	-	-	-	0.211	-	-	-	-	-	-	-	-	-	-	-	-
10.5) PORT NSW Production Support	A	-	-	-	-	-	0.720	-	-	0.637	-	-	0.581	-	-	-	-	-	0.581
10.6) DAMA IW Patrol Craft	A	-	-	-	-	-	-	-	-	0.121	-	-	0.038	-	-	-	-	-	0.038

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 11 **P-1 Line Item Nomenclature:** 3057 - Communications Items under \$5M **Aggregated Item Name:** Communications Items under \$5M

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
(PC) Production Support																			
10.7) BFTN Production Support <sup>(1)</sup>	A	-	-	-	-	-	-	-	-	0.778	-	-	0.285	-	-	-	-	-	0.285
10.8) Navy Expeditionary C4I Production Support	A	-	-	-	-	-	-	-	-	-	-	-	0.028	-	-	-	-	-	0.028
10.9) MUOS SST Production Support	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 10) NU555 Production Support</i>				<i>0.000</i>						<i>1.007</i>			<i>1.144</i>						<i>1.144</i>
<b>11) NU777 DSA/ PRE SHORE INSTALLATION DESIGN</b>																			
11.1) EPLRS-DR DSA \ PRE Shore Installation Design	A	-	-	-	-	-	0.159	-	-	0.640	-	-	-	-	-	-	-	-	-
11.2) HF ALE DSA/PRE Shore Installation Design <sup>(2)</sup>	A	-	-	-	-	-	0.478	-	-	-	-	-	0.364	-	-	-	-	-	0.364
11.3) DAMA IW Patrol Craft (PC) DSA/PRE Shore Installation Design	A	-	-	-	-	-	-	-	-	0.182	-	-	0.376	-	-	-	-	-	0.376
11.4) BFTN DSA/PRE Shore Installation Design	B	-	-	-	-	-	-	-	-	0.492	-	-	-	-	-	-	-	-	-
11.5) DAMA IW Destroyers (DDGs) DSA/PRE Shore Installation Design	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.6) MUOS SST DSA/PRE Shore Installation Design	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 11) NU777 DSA/PRE SHORE INSTALLATION DESIGN</i>				<i>0.000</i>			<i>0.637</i>			<i>1.314</i>			<i>0.740</i>						<i>0.740</i>
<b>12) NU777 Installations FMP</b>																			
12.1) EPLRS-DR Installations FMP	A	-	-	-	-	-	-	-	-	0.956	-	-	1.094	-	-	-	-	-	1.094



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 11 **P-1 Line Item Nomenclature:** 3057 - Communications Items under \$5M **Aggregated Item Name:** Communications Items under \$5M

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
12.2) Hydra Installations FMP (3)	A	-	-	-	-	-	0.650	-	-	1.322	-	-	0.931	-	-	-	-	-	0.931
12.3) HF ALE Installations FMP (4)	A	-	-	-	-	-	4.602	-	-	0.700	-	-	3.412	-	-	-	-	-	3.412
12.4) DAMA IW Patrol Craft (PC) Installations FMP	A	-	-	-	-	-	-	-	-	-	-	-	1.260	-	-	-	-	-	1.260
12.5) BFTN Installations FMP	B	-	-	-	-	-	-	-	-	2.961	-	-	-	-	-	-	-	-	-
12.6) MUOS SST Installations FMP	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 12) NU777 Installations FMP</i>				<i>0.000</i>			<i>5.252</i>			<i>5.939</i>			<i>6.697</i>			<i>0.000</i>			<i>6.697</i>
<b>13) NU776 Installation - Ashore</b>																			
13.1) MUOS SST Installation Ashore	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 13) NU776 Installation - Ashore</i>				<i>0.000</i>			<i>0.000</i>			<i>0.000</i>			<i>0.000</i>			<i>0.000</i>			<i>0.000</i>
<b>Total</b>				<b>0.000</b>			<b>30.981</b>			<b>27.544</b>			<b>28.522</b>			<b>0.000</b>			<b>28.522</b>

**Remarks:**

[NU238 JTRS HMS Radios] NU238 HMS Radio - FY11 unit costs were higher due to non-recurring costs associated with initial procurement.

[NU245 HYDRA] Unit costs vary with ship type and are based on the number of channels and radios in the system. FY12 procurement cost supports base unit procurement for installation in Norfolk School House (no install cost). FY13 procurement cost supports full HYDRA system and a base unit procurement San Diego School House (no install cost).

[NU260 DAMA IW ] FY12 DAMA IW PC units cost are higher due to non-recurring cost associated with initial procurement.

[NU790 Navy Expeditionary C4I] Funds initially realigned from BSO 25 BLI 6060 to BSO 39 BLI 8120 starting FY13. Further realignment moved funding from 8120 to 3057. This is not a new start.

(1)NU555 BFTN - Production support of items procured in FY12.

(2)NU777 HF ALE DSA - Items previously procured in FY10 being delivered in FY12.

(3)NU777 HYDRA FY11 Install - Pre-installation support which includes ship check, Ship Installation Drawings (SIDs), Design Services Alteration (DSA), and Non-Recurring Engineering Cost associated with digital voice and data communication systems upgrades.

(4)NU777 HF ALE FMP - Items previously procured in FY10 being delivered in FY12.

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 11				P-1 Line Item Nomenclature: 3057 - Communications Items under \$5M						Aggregated Item Name: Communications Items under \$5M		
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) NU019 EPLRS-DR</b>												
1.1) EPLRS-DR Procurement		2011	Raytheon / Fort Wayne, IN	SS / FFP	CECOM	Feb 2011	Aug 2011	25	62.880	Y		
1.1) EPLRS-DR Procurement		2012	Raytheon / Fort Wayne, IN	SS / FFP	CECOM	Feb 2012	Aug 2012	6	63.667	Y		
<b>2) NU237 PORTABLE RADIOS</b>												
2.1) PORT RAD - Hand Held Procurement		2012	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Jan 2012	Jun 2012	24	6.318	Y		
2.1) PORT RAD - Hand Held Procurement		2013	Unknown / Unknown	C / FFP	SPAWAR	Dec 2012	May 2013	11	6.425	Y		
2.2) PORT RAD - Man Pack Procurement		2012	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Jan 2012	Jun 2012	5	38.400	Y		
2.2) PORT RAD - Man Pack Procurement		2013	Unknown / Unknown	C / FFP	SPAWAR	Dec 2012	May 2013	6	39.053	Y		
<b>3) NU238 JTRS HMS Radios</b>												
3.1) JTRS HMS Radios Procurement (5)		2011	General Dynamics / Scottsdale, AZ	C / FFP	SSC PAC	Jun 2013	Dec 2013	58	84.293	Y		
3.2) JTRS HMS Manpack Radios Procurement		2013	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Apr 2013	Oct 2013	50	62.040	Y		
<b>4) NU239 PORT NSW</b>												
†4.1) PORT NSW Hand Held Procurement		2011	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Jun 2011	Nov 2011	182	12.210	Y		
†4.1) PORT NSW Hand Held Procurement		2012	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Oct 2011	Dec 2011	202	12.420	Y		
†4.1) PORT NSW Hand Held Procurement (6)		2013	Unknown / Unknown	C / FFP	SPAWAR	Dec 2012	May 2013	359	12.629	Y		
†4.2) PORT NSW Man Pack Procurement		2011	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Dec 2010	May 2011	230	36.519	Y		
†4.2) PORT NSW Man Pack Procurement		2012	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Dec 2011	May 2012	216	37.140	Y		
†4.2) PORT NSW Man Pack Procurement		2013	Unknown / Unknown	C / FFP	SPAWAR	Dec 2012	May 2013	150	37.771	Y		
†4.3) PORT NSW Vehicular Procurement		2011	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Apr 2011	Sep 2011	65	71.089	Y		
†4.3) PORT NSW Vehicular Procurement		2012	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Dec 2011	May 2012	19	105.810	Y		
†4.3) PORT NSW Vehicular Procurement		2013	Unknown / Unknown	C / FFP	SPAWAR	Dec 2012	May 2013	14	107.609	Y		
<b>5) NU245 HYDRA</b>												

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3057 - Communications Items under \$5M	<b>Aggregated Item Name:</b> Communications Items under \$5M
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
5.1) Hydra Procurement		2011	Harris / Lynchburg, VA	TBD	SSC LANT	Jul 2011	Feb 2012	1	2,382.000	Y		
5.1) Hydra Procurement		2012	Harris / Lynchburg, VA	TBD	SSC LANT	Nov 2011	Jul 2012	1	730.000	Y		
5.1) Hydra Procurement		2013	Harris / Lynchburg, VA	TBD	SSC LANT	Dec 2012	Aug 2013	2	1,532.500	Y		
<b>6) NU260 DAMA IW</b>												
6.1) DAMA IW Patrol Craft (PC) Procurement		2012	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Jun 2012	Nov 2012	3	799.000	Y		
6.1) DAMA IW Patrol Craft (PC) Procurement		2013	Harris Corporation / Rochester, NY	SS / FFP	SPAWAR	Jan 2013	Jun 2013	2	501.138	Y		
<b>7) NU295 BFTN</b>												
7.1) BFTN Procurement		2012	Unknown / Unknown	C / FFP	SPAWAR	Jan 2012	Jul 2012	9	251.667	Y		Aug 2011
<b>8) NU790 Navy Expeditionary C4I</b>												
8.1) Navy Expeditionary C4I Procurement		2013	SSC PAC/SSC LANT / SSC PAC/SSC LANT	TBD	SSC PAC/ LANT	Dec 2012	Jan 2013	11	69.091	Y		

**Remarks:**

- <sup>(5)</sup>NU238 Contract pending MS C Decision.
- <sup>(6)</sup>FY13 Production rate information for PORT NSW is not available pending new contract award.;



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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 11 **P-1 Line Item Nomenclature:** 3057 - Communications Items under \$5M **Aggregated Item Name:** Communications Items under \$5M

COST ELEMENTS Units in Each							Fiscal Year 2013										Fiscal Year 2014													
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013										Calendar Year 2014										B A L			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G
4) NU239 PORT NSW																														
4.1) PORT NSW Hand Held Procurement																														
	19	2011	NAVY	182	182	0																								
	19	2012	NAVY	202	202	0																								
	20	2013	NAVY	359	0	359	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.2) PORT NSW Man Pack Procurement																														
	21	2011	NAVY	230	230	0																								
	21	2012	NAVY	216	216	0																								
	22	2013	NAVY (7)	150	0	150	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.3) PORT NSW Vehicular Procurement																														
	23	2011	NAVY	65	65	0																								
	23	2012	NAVY	19	19	0																								
	24	2013	NAVY	14	0	14	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 11	<b>P-1 Line Item Nomenclature:</b> 3057 - Communications Items under \$5M	<b>Aggregated Item Name:</b> Communications Items under \$5M

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Harris Corporation - Rochester, NY	0	0	0	0	2	2	4	0	2	5	7
2	Unknown - Unknown	0	0	0	0	2	5	7	0	2	5	7
3	Harris Corporation - Rochester, NY	0	0	0	0	2	5	7	0	2	5	7
4	Unknown - Unknown	0	0	0	0	2	5	7	0	2	5	7
5	Harris Corporation - Rochester, NY	0	0	0	0	2	5	7	0	2	5	7
6	Unknown - Unknown	0	0	0	0	2	5	7	0	2	5	7

**Remarks:**  
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.  
 (7)FY13 Production rate information for PORT NSW is not available pending new contract award.

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 12 : Submarine Communications	<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.105	-	10.357	4.183	-	4.183	4.986	13.346	25.186	23.573	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.105	-	10.357	4.183	-	4.183	4.986	13.346	25.186	23.573	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.105	-	10.357	4.183	-	4.183	4.986	13.346	25.186	23.573	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	0.114	0.609	-	0.609	0.963	0.958	0.382	0.080	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Submarine Broadcast Support program was established to improve the reliability, availability, maintainability, efficiency and performance of the Very Low Frequency (VLF) and Low Frequency (LF) submarine broadcast systems. These transmission mediums, VLF/LF, comprise the primary line of Fleet Ballistic Missile Nuclear Command, Control and Communications (NC3). Shore based transmitter sites are Emergency Action Message relay points providing primary connectivity between the Senior Leadership and Ship Submersible Ballistic Nuclear Submarines (SSBN). Upgrades to shore infrastructure include integrating Internet Protocol capability in Broadcast Control Authorities.

[P40A / W4008 Bushings]: Composite bushings will replace the expensive and highly unique and aging ceramic bushings that are deteriorating at VLF/LF sites and threaten reliability of the submarine broadcast.

[P40A / W4009 LBUCS, Receive]: LBUCS Receive will modernize receive subsystem hardware, software and waveforms at the Broadcast Control Authority, BKS and onboard Ohio SSBN/Ship Submersible Guided Nuclear Submarine, Seawolf, Los Angeles and Virginia class submarines.

[P40A / W4010 Nuclear Command Control Communications (NC3) Nova Information eXchange Terminal (NIXT)]: NC3 Hybrid Solution (HS) will provide accurate and reliable delivery of time-critical messages for command and control of nuclear forces in a pre-attack environment for force direction, force management, situation monitoring and planning. NC3 HS will upgrade the Nova backbone and procure and field the Nova Information eXchange Terminal (NIXT) to replace end-of-life legacy user terminals at shore communications stations.

[P3A / W4009 Low Band Universal Communications (LBUCS) Transmit]: LBUCS Transmit will modernize the transmit subsystem hardware, software and waveform components at Broadcast Keying Sites (BKSs) and Broadcast Transmit Sites (BTSs), including the VLF Broadcast Builder, AN/URT-30B Integrated VLF Transmit Terminal (IVTT), IVTT Proxy, the MD-1310 Modulator, and the North Atlantic Treaty Organization (NATO) Interoperable Submarine Broadcast System (NISBS).

[P3A / W4008 LaMoure Modernization]: LaMoure modernization (commencing in FY12) replaces the obsolete equipment at Naval Computer & Telecommunications Area Master Station Atlantic (NCTAMS LANT) detachment, LaMoure, North Dakota. This extends the expected system life to 2025.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 12 : Submarine Communications

**P-1 Line Item Nomenclature:**  
 3107 - Submarine Broadcast Support

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Submarine Broadcast Support (See enclosed P-40A)	P40A, P5A				0.105			0.000			0.842			0.000			0.000			0.000
W4009 Low Band Universal Communications (LBUCS) Transmit - 1	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	3.392	-	-	0.000	-	-	3.392
W4008 LaMoure Modernization - 2	P3A		-	-	0.000	-	-	0.000	-	-	9.515	-	-	0.791	-	-	0.000	-	-	0.791
<b>Total Gross/Weapon System Cost</b>					<b>0.105</b>			<b>-</b>			<b>10.357</b>			<b>4.183</b>			<b>-</b>			<b>4.183</b>
		ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Submarine Broadcast Support (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
W4009 Low Band Universal Communications (LBUCS) Transmit - 1	P3A		-	-	1.986	-	-	3.709	-	-	7.838	-	-	2.859	-	-	0.000	-	-	19.784
W4008 LaMoure Modernization - 2	P3A		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	10.306
<b>Total Gross/Weapon System Cost</b>					<b>4.986</b>			<b>13.346</b>			<b>25.186</b>			<b>23.573</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 LaMoure Modernization: FY13 funding will provide for the procurement of modernization equipment.  
 LBUCS Transmit: FY13 funding will provide for the procurement of the first LRIP units.



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 12 **P-1 Line Item Nomenclature:** 3107 - Submarine Broadcast Support **Aggregated Item Name:** Submarine Broadcast Support

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) W4008 Bushings</b>																			
1.1) Bushings Equipment	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) W4008 Bushings</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) W4009 LBUCS, Receive</b>																			
2.1) LBUCS Receive Equipment	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) W4009 LBUCS, Receive</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) W4010 Nuclear Command Control Communications (NC3) Nova Information eXchange Terminal (NIX)</b>																			
† 3.1) NIXT Equipment	B	-	-	-	-	-	-	9.840	50	0.492	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) W4010 Nuclear Command Control Communications (NC3) Nova Information eXchange Terminal (NIX)</i>				0.000			0.000			0.492			0.000			0.000			0.000
<b>4) W4555 Production Support</b>																			
4.1) Bushings Production Support	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) LBUCS Receive Production Support	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) NIXT Production Support	B	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) W4555 Production Support</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) W4776 Ashore Installations</b>																			
5.1) Bushings Installation <sup>(1)</sup>	A	-	-	0.105	-	-	-	-	-	0.150	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N / BA 2 / BSA 12

**P-1 Line Item Nomenclature:**  
3107 - Submarine Broadcast Support

**Aggregated Item Name:**  
Submarine Broadcast Support

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
5.2) LBUCS Receive Installation Ashore	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) NIXT Installation	B	-	-	-	-	-	-	4.000	50	0.200	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) W4776 Ashore Installations</i>				<i>0.105</i>			<i>0.000</i>			<i>0.350</i>			<i>0.000</i>			<i>0.000</i>			<i>0.000</i>
<b>6) W4777 Afloat Installations</b>																			
6.1) LBUCS Receive Installation Afloat	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) W4777 Afloat Installations</i>				<i>0.000</i>			<i>0.000</i>			<i>0.000</i>			<i>0.000</i>			<i>0.000</i>			<i>0.000</i>
<b>Total</b>				<b>0.105</b>			<b>0.000</b>			<b>0.842</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 12 **P-1 Line Item Nomenclature:** 3107 - Submarine Broadcast Support **Aggregated Item Name:** Submarine Broadcast Support

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) W4008 Bushings</b>																			
1.1) Bushings Equipment	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) W4008 Bushings</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) W4009 LBUCS, Receive</b>																			
2.1) LBUCS Receive Equipment	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) W4009 LBUCS, Receive</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) W4010 Nuclear Command Control Communications (NC3) Nova Information eXchange Terminal (NIX)</b>																			
† 3.1) NIXT Equipment	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) W4010 Nuclear Command Control Communications (NC3) Nova Information eXchange Terminal (NIX)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) W4555 Production Support</b>																			
4.1) Bushings Production Support	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) LBUCS Receive Production Support	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) NIXT Production Support	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) W4555 Production Support</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) W4776 Ashore Installations</b>																			
5.1) Bushings Installation <sup>(1)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 12 **P-1 Line Item Nomenclature:** 3107 - Submarine Broadcast Support **Aggregated Item Name:** Submarine Broadcast Support

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
5.2) LBUCS Receive Installation Ashore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) NIXT Installation	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) W4776 Ashore Installations</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) W4777 Afloat Installations</b>																			
6.1) LBUCS Receive Installation Afloat	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) W4777 Afloat Installations</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**  
 (1) Bushing being installed in FY12 was procured in FY09. Due to the strategic mission and operational demands of the Fixed Submarine Broadcast System (FSBS), Bushing installation for VLF Cutler, Maine will occur in FY12.

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<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2013 Navy										<b>Date:</b> February 2012		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support						<b>Aggregated Item Name:</b> Submarine Broadcast Support		
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty</b> <small>(Each)</small>	<b>Unit Cost</b> <small>(\$ K)</small>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
<b>3) W4010 Nuclear Command Control Communications (NC3) Nova Information eXchange Terminal (NIX)</b>												
3.1) NIXT Equipment		2012	UNISYS Corp / Reston, VA	C / FFP	SSC SD	Feb 2012	Apr 2012	50	9.840	N		Oct 2011
<b>Remarks:</b>												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): W4009 Low Band Universal Communications (LBUCS) Transmit - 1

**Models of Systems Affected:** VLF Broadcast System    **Type Modification:** [No Modification Type Specified]    **Related RDT&E PEs:** 0101402N

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	3.392	0.000	3.392	1.986	3.709	7.838	2.859	0.000	19.784
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	0.000	3.392	0.000	3.392	1.986	3.709	7.838	2.859	0.000	19.784
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>3.392</b>	<b>0.000</b>	<b>3.392</b>	<b>1.986</b>	<b>3.709</b>	<b>7.838</b>	<b>2.859</b>	<b>0.000</b>	<b>19.784</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

LBUCS Transmit will modernize the transmit subsystem hardware, software and waveform components at Broadcast Keying Sites (BKSs) and Broadcast Transmit Sites (BTs), including the VLF Broadcast Builder, AN/URT-30B Integrated VLF Transmit Terminal (IVTT), IVTT Proxy, the MD-1310 Modulator, and the North Atlantic Treaty Organization (NATO) Interoperable Submarine Broadcast System (NISBS).

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): W4009 Low Band Universal Communications (LBUCS) Transmit - 1

<b>Models of Systems Affected:</b> VLF Broadcast System	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0101402N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
W4009 Low Band Universal Communications (LBUCS) Transmit												
B Kits												
Recurring												
1.1.1) Broadcast Keying Site - NonOrganic <sup>(2)</sup>	-	-	-	-	-	-	2	1.834	-	-	2	1.834
1.1.2) Broadcast Transmit Site - NonOrganic	-	-	-	-	-	-	3	1.389	-	-	3	1.389
<i>Subtotal Recurring</i>		0.000		0.000		0.000		3.223		0.000		3.223
<i>Total, W4009 Low Band Universal Communications (LBUCS) Transmit</i>	-	-	-	-	-	-	5	3.223	-	-	5	3.223
<i>Total, All Modifications</i>		0.000		0.000		0.000		3.223		0.000		3.223
<b>Support</b>												
2.1) Production Support	-	-	-	-	-	-	-	0.169	-	-	-	0.169
<i>Total Support Cost</i>		0.000		0.000		0.000		0.169		0.000		0.169
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		0.000		3.392		0.000		3.392
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.000		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		0.000		0.000		0.000		3.392		0.000		3.392

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
W4009 Low Band Universal Communications (LBUCS) Transmit												
B Kits												
Recurring												
1.1.1) Broadcast Keying Site - NonOrganic <sup>(2)</sup>	-	-	26	3.515	-	-	-	-	-	-	28	5.349
1.1.2) Broadcast Transmit Site - NonOrganic	-	-	-	-	21	4.883	-	-	-	-	24	6.272
<i>Subtotal Recurring</i>		0.000		3.515		4.883		0.000		0.000		11.621
<i>Total, W4009 Low Band Universal Communications (LBUCS) Transmit</i>	-	-	26	3.515	21	4.883	-	-	-	-	52	11.621
<i>Total, All Modifications</i>		0.000		3.515		4.883		0.000		0.000		11.621

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): W4009 Low Band Universal Communications (LBUCS) Transmit - 1

<b>Models of Systems Affected:</b> VLF Broadcast System	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0101402N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Support</b>												
2.1) Production Support	-	-	-	0.194	-	0.268	-	-	-	-	-	0.631
<b>Total Support Cost</b>		0.000		0.194		0.268		0.000		0.000		0.631
<b>Procurement Cost (Procurement + Support)</b>		0.000		3.709		5.151		0.000		0.000		12.252
<b>Total Installation Cost</b>		1.986		0.000		2.687		2.859		0.000		7.532
<b>Total Cost (Procurement + Support + Installation)</b>		1.986		3.709		7.838		2.859		0.000		19.784

**Remarks:**  
 (2)1) Installation costs for BKS and BTS equipment vary due to unique site configurations and mix of Continental United States (CONUS) and OCONUS installation locations.  
 2) LBUCS Transmit equipment and cables will be installed in racks and must go through acceptance and integration testing prior to installation. Testing requires 6-9 months.

**Manufacturer Information: W4009 Low Band Universal Communications (LBUCS) Transmit**

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 2

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Aug 2013				
Delivery Dates			Oct 2013				

<b>Installation:</b> W4009 Low Band Universal Communications (LBUCS) Transmit	<b>Method of Implementation:</b> Alteration Installation Team	<b>Installation Name:</b> Broadcast Keying & Transmit Sites
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support
		<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> W4009 Low Band Universal Communications (LBUCS) Transmit - 1

<b>Models of Systems Affected:</b> VLF Broadcast System	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0101402N
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<b>Installation:</b> W4009 Low Band Universal Communications (LBUCS) Transmit	<b>Method of Implementation:</b> Alteration Installation Team	<b>Installation Name:</b> Broadcast Keying & Transmit Sites
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	5	1.986	-	-	-	-	-	-	-	-	5	1.986
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	26	2.687	-	-	-	-	26	2.687
FY 2016	-	-	-	-	-	-	21	2.859	-	-	21	2.859
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	1.986	-	-	26	2.687	21	2.859	-	-	52	7.532

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	10	7	5	4	-	7	7	7	-	52
Out	-	-	-	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	10	7	5	4	-	7	7	7	-	52

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12			<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> W4008 LaMoure Modernization - 2					

**Models of Systems Affected:** VLF Transmitter      **Type Modification:** [No Modification Type Specified]      **Related RDT&E PEs:**

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	9.515	0.791	0.000	0.791	0.000	0.000	0.000	0.000	0.000	10.306
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	9.515	0.791	0.000	0.791	0.000	0.000	0.000	0.000	0.000	10.306
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>9.515</b>	<b>0.791</b>	<b>0.000</b>	<b>0.791</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>10.306</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

LaMoure modernization (commencing in FY12) replaces the obsolete equipment at Naval Computer & Telecommunications Area Master Station Atlantic (NCTAMS LANT) detachment, LaMoure, North Dakota. This extends the expected system life to 2025.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): W4008 LaMoure Modernization - 2

<b>Models of Systems Affected:</b> VLF Transmitter	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
W4008 LaMoure Modernization												
B Kits												
Recurring												
1.1.1) LaMoure Equipment - NonOrganic	-	-	-	-	1	8.537	-	-	-	-	-	-
<i>Subtotal Recurring</i>		0.000		0.000		8.537		0.000		0.000		0.000
<i>Total, W4008 LaMoure Modernization</i>		-		-	1	8.537		-		-		-
<i>Total, All Modifications</i>		0.000		0.000		8.537		0.000		0.000		0.000
<b>Support</b>												
2.1) LaMoure Production Support	-	-	-	-	-	0.978	-	-	-	-	-	-
<i>Total Support Cost</i>		0.000		0.000		0.978		0.000		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		9.515		0.000		0.000		0.000
<i>Total Installation Cost</i>		0.000		0.000		0.000		0.791		0.000		0.791
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>9.515</b>		<b>0.791</b>		<b>0.000</b>		<b>0.791</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
W4008 LaMoure Modernization												
B Kits												
Recurring												
1.1.1) LaMoure Equipment - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	8.537
<i>Subtotal Recurring</i>		0.000		0.000		0.000		0.000		0.000		8.537
<i>Total, W4008 LaMoure Modernization</i>		-		-		-		-		-	1	8.537
<i>Total, All Modifications</i>		0.000		0.000		0.000		0.000		0.000		8.537
<b>Support</b>												
2.1) LaMoure Production Support	-	-	-	-	-	-	-	-	-	-	-	0.978
<i>Total Support Cost</i>		0.000		0.000		0.000		0.000		0.000		0.978

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): W4008 LaMoure Modernization - 2

<b>Models of Systems Affected:</b> VLF Transmitter	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Procurement Cost (Procurement + Support)		0.000		0.000		0.000		0.000		0.000		9.515
Total Installation Cost		0.000		0.000		0.000		0.000		0.000		0.791
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>10.306</b>

**Remarks:**

**Manufacturer Information: W4008 LaMoure Modernization**

Manufacturer Name: Unknown	Manufacturer Location: TBD
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		May 2012					
Delivery Dates		May 2013					

**Installation:** W4008 LaMoure Modernization      **Method of Implementation:** [none specified]      **Installation Name:** LaMoure Equipment

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	1	0.791	0	0.000	1	0.791
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	<b>1</b>	<b>0.791</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>0.791</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3107 - Submarine Broadcast Support	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): W4008 LaMoure Modernization - 2

<b>Models of Systems Affected:</b> VLF Transmitter	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> W4008 LaMoure Modernization	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> LaMoure Equipment
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	0.791
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	1	0.791

Installation Schedule																														
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 12 : Submarine Communications	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	781.590	55.434	74.047	69.025	-	69.025	74.698	71.576	46.746	59.558	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	781.590	55.434	74.047	69.025	-	69.025	74.698	71.576	46.746	59.558	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	781.590	55.434	74.047	69.025	-	69.025	74.698	71.576	46.746	59.558	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.941	2.159	4.897	-	4.897	1.999	1.724	1.740	2.385	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

**PROGRAM COVERAGE:** The Submarine Communications Program mission is to create a common, automated, open system architecture radio room for all submarine classes. The program provides for the procurement and installation of systems incorporating the technical advances of network centric warfare to allow the submarine force to communicate as part of the Battle Group. The program addresses the unique demands of submarine communications, obsolescence issues and higher data rate requirements.

[P40A / L0035 Antenna Modifications]: ANTENNA MODIFICATIONS (L0035) - Antenna modifications provide for the procurement and installation of field change kits of legacy antenna equipments (AN/BRR-6/6B, OE-315, AN/BRA-24, AN/BRA-6B, BRT-1/1A). These modifications address performance issues, improve reliability and maintainability, decrease vulnerability, and provide cost effective technology refresh. Modifications are applicable to all submarine classes (LOS ANGELES, SEAWOLF, OHIO SSBN/SSGN, and VIRGINIA) and are implemented on a Fleet priority basis.

[P40A / L0080 OE-538/BRC Inc 2]: OUTBOARD ELECTRONICS (OE)-538 & OE-592 ANTENNA GROUP (L0080) - The OE-538 system is currently installed on all submarine classes. The Increment 2 effort upgrades the system to support emerging submarine communications requirements: Mobile User Objective System (MUOS), Link-16 Tactical Data Link, and Iridium.

[P3A / L0087 High Data Rate Antenna (SubHDR)]: SUBMARINE HIGH DATA RATE (SubHDR) SATELLITE COMMUNICATIONS SYSTEM (L0087) - The Submarine HDR system provides submarines with antennas that have the bandwidth, gain, and flexibility to meet the stated Commander, Submarine Force, United States Atlantic Fleet/Commander, Submarine Force, US Pacific Fleet (COMSUBLANT/COMSUBPAC) requirements for HDR communications in the Super High Frequency (SHF) and Extremely High Frequency (EHF) frequency spectrums. The Global Broadcast System (GBS) modification kit is required to provide the full 1 GHz bandwidth available over the Wideband Global SATCOM (WGS) system. This kit modifies components in the SubHDR antenna to increase the current reception bandwidth from 500 MHz to 1 GHz without altering the number of GBS channels, channel bandwidth, or throughput. The SHF modification separates the SHF transmit and receive paths within the SubHDR antenna to conform to the Defense Information Systems Agency (DISA) standards of transmit and receive isolation. The Radome provides a watertight enclosure for the antenna and associated electronics, as well as being a transparent window for Radio Frequency, (RF) communication signals to pass through. The Reliability, Maintainability, and Availability (RMA) kits are required to maintain the Operational Availability (Ao) throughout the life of the antenna.

[P3A / L0084 CSRR-SSBN (OHIO)]: COMMON SUBMARINE RADIO ROOM (CSRR) (L0084) - The CSRR is a completely interoperable submarine communications system operating within the FORCEnet architecture, which provides consistent and reliable two-way, modern, Internet Protocol (IP) connectivity to joint and combined forces. This evolutionary system achieves unmatched capability, cost reduction, and future technology integration via a multimedia, circuit sharing, and Commercial Off-The-Shelf (COTS) based open architecture that serves as the shipboard automated communications control system. The CSRR leverages investment in VIRGINIA External Communication System (ECS) Shipbuilding Conversion, Navy (SCN funded) to modernize/update and provide a common functional baseline, as well as commonality of hardware and software across all submarine classes. Procurement in this line is for the radio room workstations, chassis, common power supplies, power distribution units, cabling, mounting

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 12 : Submarine Communications

**P-1 Line Item Nomenclature:**  
 3130 - Submarine Communication Equipment

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

kits and ancillary components required to integrate submarine communication equipment. The Radio Frequency Distribution and Control System (RFDACS) technology update brings COTS functionality and supportability to the Submarine antenna system. This procurement supports LOS ANGELES, SEAWOLF, VIRGINIA and OHIO class submarines.

[P3A / L0097 Submarine Local Area Network]: Funds a robust shipboard backbone Information Technology (IT) network with multiple classification enclaves that, along with the SubHDR antenna and Automated Digital Network System (ADNS), provides end-to-end wideband connectivity to the global Defense Information System Networks (DISN) (Secret Internet Protocol Router Network and Nonclassified Internet Protocol Router Network). SubLAN is designed in accordance with the IT for the 21st Century fleet initiative, and thus SubLAN will support greatly improved connectivity to, and interoperability with, the carrier battle group (CVBG) commander, thereby achieving network-centric warfare, and with shore commands. The SubLAN network is enhanced for mission-critical tactical applications, and as such SubLAN forms the medium that will interconnect Sonar, Combat, Electronic Surveillance Measures, Radio, etc., and permits the seamless exchange of warfighting tactical data between these systems and with the CVBG commander. The SubLAN tactical backbone replicates the functionality of the United States Ship (USS) Virginia class network architecture, allowing back fit of VIRGINIA class tactical subsystem modernization into existing submarines. The SubLAN shipboard IT infrastructure is being designed as an all-COTS, open-system architecture such that it will permit other electronic subsystem programs to rely on SubLAN for subsystem interconnectivity (rather than having each subsystem install its own IT network); the revolutionary approach of treating the shipboard network as a basic utility (like water, power and lighting) will support the efficient and economic modernization of the various electronic subsystems.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Submarine Communication Equipment (See enclosed P-40A)	P40A, P5A				37.530			9.289			3.111			1.734			0.000			1.734
L0087 High Data Rate Antenna (SubHDR) - 1	P3A		-	-	379.273	-	-	0.000	-	-	9.728	-	-	6.345	-	-	0.000	-	-	6.345
L0084 CSRR-SSBN (OHIO) - 2	P3A		-	-	181.202	-	-	0.000	-	-	0.840	-	-	7.607	-	-	0.000	-	-	7.607
L0084 CSRR-SSGN (OHIO) Mod Upgrades - 3	P3A		-	-	14.707	-	-	1.369	-	-	4.287	-	-	4.638	-	-	0.000	-	-	4.638
L0084 CSRR-SSN (SEAWOLF) - 4	P3A		-	-	39.235	-	-	0.000	-	-	0.835	-	-	4.823	-	-	0.000	-	-	4.823
L0084 CSRR-SSN (VIRGINIA) Mod Upgrades - 5	P3A		-	-	5.592	-	-	12.794	-	-	10.483	-	-	7.607	-	-	0.000	-	-	7.607
L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades - 6	P3A		-	-	8.322	-	-	26.130	-	-	40.407	-	-	32.427	-	-	0.000	-	-	32.427
L0097 Submarine Local Area Network - 7	P3A		-	-	115.729	-	-	5.852	-	-	4.356	-	-	3.844	-	-	0.000	-	-	3.844
<b>Total Gross/Weapon System Cost</b>					<b>781.590</b>			<b>55.434</b>			<b>74.047</b>			<b>69.025</b>			<b>-</b>			<b>69.025</b>



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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 12 : Submarine Communications

**P-1 Line Item Nomenclature:**  
 3130 - Submarine Communication Equipment

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Submarine Communication Equipment (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
L0087 High Data Rate Antenna (SubHDR) - 1	P3A		-	-	6.746	-	-	5.298	-	-	6.240	-	-	6.418	-	-	81.720	-	-	501.768
L0084 CSRR-SSBN (OHIO) - 2	P3A		-	-	10.835	-	-	8.929	-	-	10.234	-	-	13.959	-	-	-	-	-	-
L0084 CSRR-SSGN (OHIO) Mod Upgrades - 3	P3A		-	-	1.472	-	-	4.730	-	-	3.124	-	-	0.426	-	-	-	-	-	-
L0084 CSRR-SSN (SEAWOLF) - 4	P3A		-	-	4.854	-	-	1.439	-	-	0.000	-	-	0.570	-	-	3.014	-	-	54.770
L0084 CSRR-SSN (VIRGINIA) Mod Upgrades - 5	P3A		-	-	7.572	-	-	10.341	-	-	8.296	-	-	3.214	-	-	-	-	-	-
L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades - 6	P3A		-	-	35.213	-	-	24.642	-	-	5.267	-	-	10.635	-	-	-	-	-	-
L0097 Submarine Local Area Network - 7	P3A		-	-	6.007	-	-	3.911	-	-	3.909	-	-	3.981	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>					<b>74.698</b>			<b>71.576</b>			<b>46.746</b>			<b>59.558</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 - FY13 Antenna Modifications: Procure and install multiple field change kits for the BRR-6 Towed Buoy Antenna, Outboard Electronics (OE)-315 Floating Wire Antenna Systems, BRA-24 Antenna Transfer Assembly, and AN/BRA-6B Tuning Group to improve their reliability and maintainability.  
 - FY13 CSRR: Implements CSRR on LOS ANGELES class submarines and modernizes CSRR on OHIO, SEAWOLF and VIRGINIA platforms.  
 - FY13 SubHDR: Continues procurement of new radomes to replace existing cracking radomes .

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 12					P-1 Line Item Nomenclature: 3130 - Submarine Communication Equipment										Aggregated Item Name: Submarine Communication Equipment						
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total				
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)		
<b>1) L0035 Antenna Modifications</b>																					
† 1.1) Antenna Modifications <sup>(1)</sup>	A	-	-	-	89.731	26	2.333	61.000	51	3.111	86.700	20	1.734	-	-	-	86.700	20	1.734		
<i>Subtotal 1) L0035 Antenna Modifications</i>				0.000			2.333			3.111			1.734			0.000			1.734		
<b>2) L0080 OE-538/BRC Inc 2</b>																					
2.1) Increment 2 Upgrade Kits <sup>(2)</sup>	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.2) ShipALT/ DSA Nonrecurring	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.3) Production Support	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.4) Other (DSA Recurring)	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.5) Installation INC2 Upgrade Kits	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal 2) L0080 OE-538/BRC Inc 2</i>				0.000			0.000			0.000			0.000			0.000			0.000		
<b>3) CSRR - Support Systems Mod Kits (Increment 1 Ver 2, 3, &amp; 4)</b>																					
3.1) Kit Quantity	A	-	-	24.238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
† 3.2) Equipment - Mod Kits Inc 1 Ver 3 <sup>(3)</sup>	A	-	-	1.770	1,823.000	1	1.823	-	-	-	-	-	-	-	-	-	-	-	-		
3.3) Equipment - Mod Kits Inc 1 Ver 4	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
† 3.4) Equipment - MRTS <sup>(4)</sup>	A	-	-	1.320	154.670	6	0.928	-	-	-	-	-	-	-	-	-	-	-	-		
3.5) Support Equipment	A	-	-	1.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.6) Environmental Qual. Testing	A	-	-	2.593	-	-	3.834	-	-	-	-	-	-	-	-	-	-	-	-		
3.7) ShipALT/EFR	A	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.8) Production Support	A	-	-	0.979	-	-	0.371	-	-	-	-	-	-	-	-	-	-	-	-		
3.9) Installation of Hardware	A	-	-	4.303	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal 3) CSRR - Support Systems Mod</i>				37.530			6.956			0.000			0.000			0.000			0.000		

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Aggregated Item Name:</b> Submarine Communication Equipment
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Kits (Increment 1 Ver 2, 3, &amp; 4)</i>																			
<b>Total</b>				<b>37.530</b>			<b>9.289</b>			<b>3.111</b>			<b>1.734</b>			<b>0.000</b>			<b>1.734</b>

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 12					P-1 Line Item Nomenclature: 3130 - Submarine Communication Equipment									Aggregated Item Name: Submarine Communication Equipment					
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) L0035 Antenna Modifications</b>																			
† 1.1) Antenna Modifications <sup>(1)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) L0035 Antenna Modifications				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) L0080 OE-538/BRC Inc 2</b>																			
2.1) Increment 2 Upgrade Kits <sup>(2)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) ShipALT/ DSA Nonrecurring	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) Production Support	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Other (DSA Recurring)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) Installation INC2 Upgrade Kits	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) L0080 OE-538/BRC Inc 2				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) CSRR - Support Systems Mod Kits (Increment 1 Ver 2, 3, &amp; 4)</b>																			
3.1) Kit Quantity	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 3.2) Equipment - Mod Kits Inc 1 Ver 3 <sup>(3)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) Equipment - Mod Kits Inc 1 Ver 4	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 3.4) Equipment - MRTS <sup>(4)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) Support Equipment	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) Environmental Qual. Testing	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7) ShipALT/EFR	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.8) Production Support	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.9) Installation of Hardware	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) CSRR - Support Systems Mod				0.000			0.000			0.000			0.000			0.000			0.000

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Aggregated Item Name:</b> Submarine Communication Equipment
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Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Kits (Increment 1 Ver 2, 3, &amp; 4)</i>																			
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

- (1) Antenna Modifications quantities and unit costs vary based on system (e.g. BRR-6, OE-315, BRA-24, etc.) and complexity of field change kits. Funds are sent to NUWC Newport and distributed to various contractors based on systems to be purchased.
- (2) OE-538 INC2 unit cost varies by submarine class.  
Twenty-nine (29) OE-538 Increment 2 systems do not require platform installation funding: five (5) for FY15 and twenty-four (24) for To Complete. These systems include twenty-two (22) rotatable pools, two (2) test assets for First Article Test, and five (5) lab assets (two (2) SSBN/SSGN ITF; one (1) LOS ANGELES ITF).
- (3) Reconfigurable lab assets for VIRGINIA/SEAWOLF, OHIO, LOS ANGELES modernization. Installation cost included in procurement (Turnkey).
- (4) Multi-Purpose Reconfigurable Training System (MRTS) Procurement for submarine training sites. FY11 technical refresh. Installation cost included in procurement (Turnkey).

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Aggregated Item Name:</b> Submarine Communication Equipment
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) L0035 Antenna Modifications</b>												
1.1) Antenna Modifications <sup>(5)</sup>		2011	Unknown / Unknown	C / CPFF	NUWC NPT	Jan 2012	Oct 2012	26	89.731	Y		Aug 2011
1.1) Antenna Modifications		2012	Unknown / Unknown	C / CPFF	NUWC NPT	Jan 2013	Oct 2013	51	61.000	Y		Aug 2011
1.1) Antenna Modifications <sup>(6)</sup>		2013	Unknown / Unknown	C / CPFF	NUWC NPT	Sep 2013	Jun 2014	20	86.700	Y		Aug 2011
<b>3) CSRR - Support Systems Mod Kits (Increment 1 Ver 2, 3, &amp; 4)</b>												
3.2) Equipment - Mod Kits Inc 1 Ver 3 <sup>(7)</sup>		2011	European Aeronautic Defense and Space Company / Torrance, CA	C / FFP	NUWC	Jan 2011	Jan 2011	1	1,823.000	Y		
3.4) Equipment - MRTS		2011	European Aeronautic Defense and Space Company / Torrance, CA	C / FFP	NUWC	Dec 2010	Dec 2010	6	154.670	Y		

**Remarks:**  
<sup>(5)</sup>Antenna Modifications quantities and unit costs vary based on system (e.g. BRR-6, OE-315, BRA-24, etc.) and complexity of field change kits. Funds are sent to NUWC Newport and distributed to various contractors based on systems to be purchased.  
<sup>(6)</sup>Award Date should be 2014-01 - Software limitation. -  
<sup>(7)</sup>Lead time for upgrade kits varies from 3 to 12 months depending on the contents of each kit and the specific components being modernized.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0087 High Data Rate Antenna (SubHDR) - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> Individual Modification Program	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	379.273	0.000	9.728	6.345	0.000	6.345	6.746	5.298	6.240	6.418	81.720	501.768
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	379.273	0.000	9.728	6.345	0.000	6.345	6.746	5.298	6.240	6.418	81.720	501.768
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>379.273</b>	<b>0.000</b>	<b>9.728</b>	<b>6.345</b>	<b>0.000</b>	<b>6.345</b>	<b>6.746</b>	<b>5.298</b>	<b>6.240</b>	<b>6.418</b>	<b>81.720</b>	<b>501.768</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Installation of High Data Rate Antenna (SubHDR)

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0087 High Data Rate Antenna (SubHDR) - 1					
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> Individual Modification Program					<b>Related RDT&amp;E PEs:</b> 0604503N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
L0087 High Data Rate Antenna (SubHDR)													
B Kits													
Recurring													
1.1.1) Equipment - SubHDR - NonOrganic <sup>(8)</sup>	80	236.424	-	-	-	-	-	-	-	-	-	-	
1.1.2) Installation Kits - Organic	53	8.777	-	-	-	-	-	-	-	-	-	-	
1.1.3) Kit Upgrades - Organic	-	2.298	-	-	-	-	-	-	-	-	-	-	
1.1.4) GBS/SHF Kit Upgrades - NonOrganic <sup>(9)</sup>	81	20.910	-	-	6	1.899	-	-	-	-	-	-	
1.1.5) GBS Kits - NonOrganic <sup>(10)</sup>	20	0.718	-	-	-	-	-	-	-	-	-	-	
1.1.6) Replacement Radomes - NonOrganic <sup>(11)</sup>	-	-	-	-	24	6.240	20	4.600	-	-	20	4.600	
1.1.7) RMA Kits - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.8) Support Equipment - Organic	3	1.938	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		271.065		0.000		8.139		4.600		0.000		4.600	
<i>Total, L0087 High Data Rate Antenna (SubHDR)</i>	237	271.065	-	-	30	8.139	20	4.600	-	-	20	4.600	
<i>Total, All Modifications</i>		271.065		0.000		8.139		4.600		0.000		4.600	
<b>Support</b>													
2.1) Production Support	-	5.922	-	-	-	0.462	-	0.408	-	-	-	0.408	
2.2) Other (DSA)	-	5.704	-	-	-	0.127	-	0.137	-	-	-	0.137	
<i>Total Support Cost</i>		11.626		0.000		0.589		0.545		0.000		0.545	
<i>Procurement Cost (Procurement + Support)</i>		282.691		0.000		8.728		5.145		0.000		5.145	
<i>Total Installation Cost</i>		96.582		0.000		1.000		1.200		0.000		1.200	
<b>Total Cost (Procurement + Support + Installation)</b>		379.273		0.000		9.728		6.345		0.000		6.345	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
L0087 High Data Rate Antenna (SubHDR)													



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0087 High Data Rate Antenna (SubHDR) - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> Individual Modification Program	<b>Related RDT&amp;E PEs:</b> 0604503N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
B Kits												
Recurring												
1.1.1) Equipment - SubHDR - NonOrganic <sup>(8)</sup>	-	-	-	-	-	-	-	-	-	-	80	236.424
1.1.2) Installation Kits - Organic	-	-	-	-	-	-	-	-	-	-	53	8.777
1.1.3) Kit Upgrades - Organic	-	-	-	-	-	-	-	-	-	-	-	2.298
1.1.4) GBS/SHF Kit Upgrades - NonOrganic <sup>(9)</sup>	-	-	-	-	-	-	-	-	-	-	87	22.809
1.1.5) GBS Kits - NonOrganic <sup>(10)</sup>	-	-	-	-	-	-	-	-	-	-	20	0.718
1.1.6) Replacement Radomes - NonOrganic <sup>(11)</sup>	22	5.060	16	3.680	21	4.830	12	2.760	-	-	115	27.170
1.1.7) RMA Kits - NonOrganic	-	-	-	-	-	-	3	1.995	112	75.600	115	77.595
1.1.8) Support Equipment - Organic	-	-	-	-	-	-	-	-	-	-	3	1.938
<i>Subtotal Recurring</i>		5.060		3.680		4.830		4.755		75.600		377.729
<i>Total, L0087 High Data Rate Antenna (SubHDR)</i>	22	5.060	16	3.680	21	4.830	15	4.755	112	75.600	473	377.729
<i>Total, All Modifications</i>		5.060		3.680		4.830		4.755		75.600		377.729
<b>Support</b>												
2.1) Production Support	-	0.493	-	0.392	-	0.417	-	0.398	-	-	-	8.492
2.2) Other (DSA)	-	0.193	-	0.126	-	0.193	-	0.265	-	-	-	6.745
<i>Total Support Cost</i>		0.686		0.518		0.610		0.663		0.000		15.237
<i>Procurement Cost (Procurement + Support)</i>		5.746		4.198		5.440		5.418		75.600		392.966
<i>Total Installation Cost</i>		1.000		1.100		0.800		1.000		6.120		108.802
<b>Total Cost (Procurement + Support + Installation)</b>		6.746		5.298		6.240		6.418		81.720		501.768

**Remarks:**

<sup>(8)</sup>- Ten (10) SubHDR systems do not require installation funding. These systems include: three (3) Land Base System assets, seven (7) units assigned as a rotatable pool to accommodate equipment refurbishment.

- Installation quantities include antenna and kit quantities.

- FY08 Kit installations were delayed due to late deliveries from the vendor. This late delivery had a ripple effect for all installations in the follow on years.

<sup>(9)</sup>Thirteen (13) GBS/SHF Kit procurements do not require installation funding. Included in this are seven (7) kits procured in FY09 and six (6) kits procured in FY12. These kits are for the three (3) Land Base System assets, seven (7) units assigned as a rotatable pool, one (1) unit for spares, and two (2) units for Navy Multiband Terminal (NMT) program. Thirteen (13) Replacement Radomes do not require Installation funds One (1) in FY16 and twelve (12) in FY17. Thirteen (13) RMA Kits do not require Installation funds in FY CTC.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0087 High Data Rate Antenna (SubHDR) - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> Individual Modification Program	<b>Related RDT&amp;E PEs:</b> 0604503N
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<sup>(10)</sup>The twenty (20) GBS kits were procured to align with the twenty (20) SHF only kits received from the vendor as part of consideration via a contract modification, resulting in 20 complete GBS/SHF kits, and a total of 107 GBS/SHF kits.

<sup>(11)</sup>Additional thirty five (35) antennas procured as follows: twenty-four (24) Ship Construction Navy (SCN) which are transitioning to Fleet Modernization Program (FMP); one (1) for spares; two (2) units for Navy Multi-Band Terminal (NMT) Program; and eight (8) SCN Virginia Class Flight III, resulting in a requirement for 115 Replacement Radomes and 115 RMA kits.

**Manufacturer Information: L0087 High Data Rate Antenna (SubHDR)**

Manufacturer Name: Raytheon	Manufacturer Location: Marlborough, MA
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Administrative Leadtime ( <i>in Months</i> ): 5	Production Leadtime ( <i>in Months</i> ): 12
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012					
Delivery Dates		Feb 2013					

Manufacturer Name: TBD	Manufacturer Location: TBD
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Administrative Leadtime ( <i>in Months</i> ): 5	Production Leadtime ( <i>in Months</i> ): 12
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		May 2012					
Delivery Dates		May 2013					

Manufacturer Name: TBD	Manufacturer Location: TBD
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Administrative Leadtime ( <i>in Months</i> ): 5	Production Leadtime ( <i>in Months</i> ): 12
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Feb 2013				
Delivery Dates			Feb 2014				

<b>Installation:</b> L0087 High Data Rate Antenna (SubHDR)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> High Data Rate Antenna
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	139	96.582	-	-	25	1.000	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	24	1.200	0	0.000	24	1.200
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0087 High Data Rate Antenna (SubHDR) - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> Individual Modification Program	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Installation:</b> L0087 High Data Rate Antenna (SubHDR)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> High Data Rate Antenna
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	139	96.582	-	-	25	1.000	24	1.200	0	0.000	24	1.200

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	164	97.582
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	24	1.200
FY 2013	20	1.000	-	-	-	-	-	-	-	-	20	1.000
FY 2014	-	-	22	1.100	-	-	-	-	-	-	22	1.100
FY 2015	-	-	-	-	16	0.800	-	-	-	-	16	0.800
FY 2016	-	-	-	-	-	-	20	1.000	-	-	20	1.000
FY 2017	-	-	-	-	-	-	-	-	3	0.240	3	0.240
To Complete	-	-	-	-	-	-	-	-	99	5.880	99	5.880
<b>Total</b>	20	1.000	22	1.100	16	0.800	20	1.000	102	6.120	368	108.802

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	139	-	-	-	-	6	6	7	6	-	4	12	8	-	4	12	4	-	4	12	6	-	4	12	-	-	4	12	4	102	368
Out	139	-	-	-	-	6	6	7	6	-	4	12	8	-	4	12	4	-	4	12	6	-	4	12	-	-	4	12	4	102	368

<b>Installation:</b> L0087 High Data Rate Antenna (SubHDR)	<b>Method of Implementation:</b> Organic - Installation Kits	<b>Installation Quantity:</b> 53
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<b>Installation:</b> L0087 High Data Rate Antenna (SubHDR)	<b>Method of Implementation:</b> Not Installed - Support Equipment	<b>Installation Quantity:</b> 3
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12			<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSBN (OHIO) - 2					
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0604503N					

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	181.202	0.000	0.840	7.607	0.000	7.607	10.835	8.929	10.234	13.959	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	181.202	0.000	0.840	7.607	0.000	7.607	10.835	8.929	10.234	13.959	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>181.202</b>	<b>0.000</b>	<b>0.840</b>	<b>7.607</b>	<b>0.000</b>	<b>7.607</b>	<b>10.835</b>	<b>8.929</b>	<b>10.234</b>	<b>13.959</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Installation of CSRR upgrades on SSBN (OHIO) Class submarines.

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSBN (OHIO) - 2			
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b> 0604503N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
L0084 CSRR-SSBN (OHIO)													
B Kits													
Recurring													
1.1.1) Equipment - Baseline (Increment 1 Ver 0) - NonOrganic <sup>(12)</sup>	14	101.697	-	-	-	-	-	-	-	-	-	-	
1.1.2) Equipment - Mod Kits Increment 1 Ver 1 - NonOrganic <sup>(13)</sup>	13	6.727	-	-	-	-	-	-	-	-	-	-	
1.1.3) Equipment - RFDACS Mod Kits Increment 1 Ver 1 - NonOrganic	14	7.337	-	-	-	-	-	-	-	-	-	-	
1.1.4) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic <sup>(14)</sup>	-	-	-	-	-	-	3	5.310	-	-	3	5.310	
1.1.5) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.6) Equipment - RFDACS - Organic <sup>(15)</sup>	15	11.016	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		126.777		0.000		0.000		5.310		0.000		5.310	
<i>Total, L0084 CSRR-SSBN (OHIO)</i>	56	126.777	-	-	-	-	3	5.310	-	-	3	5.310	
<i>Total, All Modifications</i>		126.777		0.000		0.000		5.310		0.000		5.310	
<b>Support</b>													
2.1) Engineering Nonrecurring	-	3.166	-	-	-	-	-	-	-	-	-	-	
2.2) Production Facility Establishment	-	1.500	-	-	-	-	-	-	-	-	-	-	
2.3) ShipALT/DSA Nonrecurring	-	3.396	-	-	-	-	-	0.684	-	-	-	0.684	
2.4) Enterprise Change Request	-	3.465	-	-	-	-	-	-	-	-	-	-	
2.5) Data/Logistics	-	2.192	-	-	-	0.840	-	1.120	-	-	-	1.120	
2.6) Production Support	-	9.688	-	-	-	-	-	0.493	-	-	-	0.493	
2.7) Other (DSA Recurring)	-	5.611	-	-	-	-	-	-	-	-	-	-	
<i>Total Support Cost</i>		29.018		0.000		0.840		2.297		0.000		2.297	
<i>Procurement Cost (Procurement + Support)</i>		155.795		0.000		0.840		7.607		0.000		7.607	
<i>Total Installation Cost</i>		25.407		0.000		0.000		0.000		0.000		0.000	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>181.202</b>		<b>0.000</b>		<b>0.840</b>		<b>7.607</b>		<b>0.000</b>		<b>7.607</b>	

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy									<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSBN (OHIO) - 2				
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0604503N						
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
L0084 CSRR-SSBN (OHIO)													
B Kits													
Recurring													
1.1.1) Equipment - Baseline (Increment 1 Ver 0) - NonOrganic <sup>(12)</sup>	-	-	-	-	-	-	-	-	-	-	14	101.697	
1.1.2) Equipment - Mod Kits Increment 1 Ver 1 - NonOrganic <sup>(13)</sup>	-	-	-	-	-	-	-	-	-	-	13	6.727	
1.1.3) Equipment - RFDACS Mod Kits Increment 1 Ver 1 - NonOrganic	-	-	-	-	-	-	-	-	-	-	14	7.337	
1.1.4) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic <sup>(14)</sup>	3	5.469	2	3.756	3	5.634	3	5.802	Continuing	Continuing	Continuing	Continuing	
1.1.5) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	4	1.030	Continuing	Continuing	Continuing	Continuing	
1.1.6) Equipment - RFDACS - Organic <sup>(15)</sup>	-	-	-	-	-	-	-	-	-	-	15	11.016	
<i>Subtotal Recurring</i>		5.469		3.756		5.634		6.832		0.000		126.777	
<i>Total, L0084 CSRR-SSBN (OHIO)</i>	3	5.469	2	3.756	3	5.634	7	6.832	Continuing	Continuing	Continuing	Continuing	
<i>Total, All Modifications</i>		5.469		3.756		5.634		6.832		0.000		0.000	
<b>Support</b>													
2.1) Engineering Nonrecurring	-	-	-	-	-	-	-	-	-	-	-	3.166	
2.2) Production Facility Establishment	-	-	-	-	-	-	-	-	-	-	-	1.500	
2.3) ShipALT/DSA Nonrecurring	-	0.627	-	-	-	0.200	-	0.450	Continuing	Continuing	Continuing	Continuing	
2.4) Enterprise Change Request	-	-	-	0.444	-	0.654	-	0.582	-	-	-	5.145	
2.5) Data/Logistics	-	0.226	-	0.324	-	0.250	-	0.950	-	-	-	5.902	
2.6) Production Support	-	0.526	-	0.541	-	0.518	-	0.660	Continuing	Continuing	Continuing	Continuing	
2.7) Other (DSA Recurring)	-	0.435	-	0.447	-	0.306	-	0.210	Continuing	Continuing	Continuing	Continuing	
<i>Total Support Cost</i>		1.814		1.756		1.928		2.852		0.000		15.713	
<i>Procurement Cost (Procurement + Support)</i>		7.283		5.512		7.562		9.684		0.000		15.713	
<i>Total Installation Cost</i>		3.552		3.417		2.672		4.275		0.000		39.323	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>10.835</b>		<b>8.929</b>		<b>10.234</b>		<b>13.959</b>		<b>0.000</b>		<b>55.036</b>	
<b>Remarks:</b>													

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSBN (OHIO) - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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<sup>(12)</sup>RFDACS procured as a separate CSRR component but fielded as part of the CSRR Inc1 V0 Baseline installations. Refers to installation of major CSRR capability blocks (e.g. Inc 1 Ver 0, Inc 1 Ver 3, etc.). Installation funds are required 90 days in advance of CSRR installs to allow for the procurement of long lead material, contract award, installation availabilities ship check and to fund Ship Yard Chief of Naval Operations (CNO) availabilities at A-3 months in accordance with the Fleet Modernization Process (FMP) timelines. Installation cost does not include other Program of Records (PORs) installation funding which is included in the PORs Budget as listed: BLI 3216: NMT - \$290K, BLI 3050: ADNS INC 3 - \$330K, BLI 3415: CUE - \$265K

<sup>(13)</sup>SSBN quantity reflected at 13 due to one SSBN Increment 1 Ver 1 being Ship Construction Navy (SCN) funded.

<sup>(14)</sup>SSBN quantity reflect alignment with N9 installation availabilities.

<sup>(15)</sup>RFDACS procured as a separate CSRR component but fielded as part of the CSRR Inc1 V0 Baseline installations.

<b>Manufacturer Information: L0084 CSRR-SSBN (OHIO)</b>	
Manufacturer Name: CGI Federal	Manufacturer Location: Montreal, Canada
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates			Jan 2013				
Delivery Dates			Jan 2014				

<b>Installation:</b> L0084 CSRR-SSBN (OHIO)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> SSBN Ohio
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	41	25.407	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	41	25.407	-	-	-	-	-	-	-	-	-	-

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	41	25.407

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment
		<b>Modification Nomenclature</b> (Modification Title, Modification Number): L0084 CSRR-SSBN (OHIO) - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Installation:</b> L0084 CSRR-SSBN (OHIO)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> SSBN Ohio
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	3	3.552	-	-	-	-	-	-	-	-	3	3.552
FY 2014	-	-	3	3.417	-	-	-	-	-	-	3	3.417
FY 2015	-	-	-	-	2	2.672	-	-	-	-	2	2.672
FY 2016	-	-	-	-	-	-	3	4.275	-	-	3	4.275
FY 2017	-	-	-	-	-	-	-	-	7	0.000	7	0.000
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3</b>	<b>3.552</b>	<b>3</b>	<b>3.417</b>	<b>2</b>	<b>2.672</b>	<b>3</b>	<b>4.275</b>	<b>7</b>	<b>0.000</b>	<b>59</b>	<b>39.323</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	41	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	1	-	-	2	-	-	-	2	1	-	7	59
Out	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	1	-	-	2	-	-	-	2	1	7	59

<b>Installation:</b> L0084 CSRR-SSBN (OHIO)	<b>Method of Implementation:</b> Organic - Equipment - RFDACS	<b>Installation Quantity:</b> 15
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**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSGN (OHIO) Mod Upgrades - 3

**Models of Systems Affected:** [No Model Specified]    **Type Modification:** [No Modification Type Specified]    **Related RDT&E PEs:** 0604503N

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	14.707	1.369	4.287	4.638	0.000	4.638	1.472	4.730	3.124	0.426	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	14.707	1.369	4.287	4.638	0.000	4.638	1.472	4.730	3.124	0.426	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>14.707</b>	<b>1.369</b>	<b>4.287</b>	<b>4.638</b>	<b>0.000</b>	<b>4.638</b>	<b>1.472</b>	<b>4.730</b>	<b>3.124</b>	<b>0.426</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Installation of CSRR and upgrades on SSGN

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSGN (OHIO) Mod Upgrades - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
L0084 CSRR-SSGN (OHIO) Mod Upgrades												
B Kits												
Recurring												
1.1.1) Equipment - Mod Kits Increment 1 Ver 1 - NonOrganic <sup>(16)</sup>	4	4.384	-	-	-	-	-	-	-	-	-	-
1.1.2) Equipment - Mod Kits Increment 1 Ver 2 - NonOrganic	4	0.231	-	-	-	-	-	-	-	-	-	-
1.1.3) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic <sup>(17)</sup>	-	-	-	-	1	2.063	1	2.125	-	-	1	2.125
1.1.4) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) Support Equipment - Organic	-	0.500	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		5.115		0.000		2.063		2.125		0.000		2.125
<i>Total, L0084 CSRR-SSGN (OHIO) Mod Upgrades</i>	8	5.115	-	-	1	2.063	1	2.125	-	-	1	2.125
<i>Total, All Modifications</i>		5.115		0.000		2.063		2.125		0.000		2.125
<b>Support</b>												
2.1) Enterprise Change Request/Nonrecurring	-	1.788	-	-	-	-	-	-	-	-	-	-
2.2) ShipALT/DSA Nonrecurring	-	0.721	-	-	-	0.900	-	0.874	-	-	-	0.874
2.3) Data/Logistics	-	1.561	-	1.292	-	0.764	-	-	-	-	-	-
2.4) Production Support	-	0.280	-	0.077	-	0.560	-	0.210	-	-	-	0.210
2.5) Other (DSA Recurring)	-	0.604	-	-	-	-	-	0.200	-	-	-	0.200
<i>Total Support Cost</i>		4.954		1.369		2.224		1.284		0.000		1.284
<i>Procurement Cost (Procurement + Support)</i>		10.069		1.369		4.287		3.409		0.000		3.409
<i>Total Installation Cost</i>		4.638		0.000		0.000		1.229		0.000		1.229
<b>Total Cost (Procurement + Support + Installation)</b>		14.707		1.369		4.287		4.638		0.000		4.638

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
L0084 CSRR-SSGN (OHIO) Mod Upgrades												

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSGN (OHIO) Mod Upgrades - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
B Kits												
Recurring												
1.1.1) Equipment - Mod Kits Increment 1 Ver 1 - NonOrganic <sup>(16)</sup>	-	-	-	-	-	-	-	-	-	-	4	4.384
1.1.2) Equipment - Mod Kits Increment 1 Ver 2 - NonOrganic	-	-	-	-	-	-	-	-	-	-	4	0.231
1.1.3) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic <sup>(17)</sup>	-	-	2	4.508	-	-	-	-	-	-	4	8.696
1.1.4) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	-	0.000	Continuing	Continuing	Continuing	Continuing
1.1.5) Support Equipment - Organic	-	-	-	-	-	-	-	-	-	-	-	0.500
<i>Subtotal Recurring</i>		0.000		4.508		0.000		0.000		0.000		13.811
<i>Total, L0084 CSRR-SSGN (OHIO) Mod Upgrades</i>	-	-	2	4.508	-	-	-	-	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		0.000		4.508		0.000		0.000		0.000		0.000
<b>Support</b>												
2.1) Enterprise Change Request/Nonrecurring	-	-	-	-	-	-	-	-	-	-	-	1.788
2.2) ShipALT/DSA Nonrecurring	-	-	-	-	-	-	-	0.210	Continuing	Continuing	Continuing	Continuing
2.3) Data/Logistics	-	-	-	-	-	-	-	0.216	Continuing	Continuing	Continuing	Continuing
2.4) Production Support	-	-	-	0.222	-	-	-	-	Continuing	Continuing	Continuing	Continuing
2.5) Other (DSA Recurring)	-	0.206	-	-	-	0.438	-	-	Continuing	Continuing	Continuing	Continuing
<i>Total Support Cost</i>		0.206		0.222		0.438		0.426		0.000		1.788
<i>Procurement Cost (Procurement + Support)</i>		0.206		4.730		0.438		0.426		0.000		1.788
<i>Total Installation Cost</i>		1.266		0.000		2.686		0.000		0.000		9.819
<b>Total Cost (Procurement + Support + Installation)</b>		1.472		4.730		3.124		0.426		0.000		11.607

**Remarks:**

<sup>(16)</sup>Refers to installation of major CSRR capability blocks (e.g. Inc 1 Ver 0, Inc 1 Ver 3, etc.). Installation funds are required 90 days in advance of CSRR installs to allow for the procurement of long lead material, contract award, installation availabilities ship check and to fund Ship Yard Chief of Naval Operations (CNO) availabilities at A-3 months in accordance with the Fleet Modernization Process (FMP) timelines. Installation cost does not include other Program of Records (PORs) installation funding which is included in the PORs Budget as listed: BLI 3216: NMT- \$290K, BLI 3050: ADNS INC 3 - \$330K, BLI 3415: CUE - \$265K

<sup>(17)</sup>Quantity reflects changes to latest fleet availabilities. The actual equipment costs have increased by 10% across the FYDP, which is greater than inflation.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSGN (OHIO) Mod Upgrades - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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**Manufacturer Information: L0084 CSRR-SSGN (OHIO) Mod Upgrades**

Manufacturer Name: CGI Federal	Manufacturer Location: Montreal, Canada
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Jan 2012					
Delivery Dates		Jan 2013					

**Installation: L0084 CSRR-SSGN (OHIO) Mod Upgrades**

**Method of Implementation:** [none specified]      **Installation Name:** SSGN OHIO

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	8	4.638	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	1	1.229	0	0.000	1	1.229
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
Total	8	4.638	-	-	-	-	1	1.229	0	0.000	1	1.229

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	8	4.638
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	1	1.229
FY 2013	1	1.266	-	-	-	-	-	-	-	-	1	1.266
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	2	2.686	-	-	-	-	2	2.686

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSGN (OHIO) Mod Upgrades - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Installation:</b> L0084 CSRR-SSGN (OHIO) Mod Upgrades	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> SSGN OHIO
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1	1.266	-	-	2	2.686	-	-	-	-	12	9.819

Installation Schedule																																	
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In	8	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	12
Out	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	12

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (SEAWOLF) - 4				

<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0604503N					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	39.235	0.000	0.835	4.823	0.000	4.823	4.854	1.439	0.000	0.570	3.014	54.770
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	39.235	0.000	0.835	4.823	0.000	4.823	4.854	1.439	0.000	0.570	3.014	54.770
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>39.235</b>	<b>0.000</b>	<b>0.835</b>	<b>4.823</b>	<b>0.000</b>	<b>4.823</b>	<b>4.854</b>	<b>1.439</b>	<b>0.000</b>	<b>0.570</b>	<b>3.014</b>	<b>54.770</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Installation of CSRR and upgrades on SSN 21, SSN 22 and SSN 23

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy									<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (SEAWOLF) - 4				
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0604503N						
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
L0084 CSRR-SSN (SEAWOLF)													
B Kits													
Recurring													
1.1.1) Equipment - Baseline (Increment 1 Ver 0) - NonOrganic	2	21.504	-	-	-	-	-	-	-	-	-	-	
1.1.2) Equipment - Modernization Kits (Increment 1 Ver 1) - NonOrganic	3	2.550	-	-	-	-	-	-	-	-	-	-	
1.1.3) Equipment - Mod Kits Increment 1 Ver 2 - NonOrganic	2	2.400	-	-	-	-	-	-	-	-	-	-	
1.1.4) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic <sup>(18)</sup>	-	-	-	-	-	-	2	4.252	-	-	2	4.252	
1.1.5) Equipment - Mod kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		26.454		0.000		0.000		4.252		0.000		4.252	
<i>Total, L0084 CSRR-SSN (SEAWOLF)</i>	7	26.454	-	-	-	-	2	4.252	-	-	2	4.252	
<i>Total, All Modifications</i>		26.454		0.000		0.000		4.252		0.000		4.252	
<b>Support</b>													
2.1) Engineering Nonrecurring	-	0.058	-	-	-	-	-	-	-	-	-	-	
2.2) ShipALT/DSA Nonrecurring	-	0.887	-	-	-	0.480	-	0.196	-	-	-	0.196	
2.3) Enterprise Change Request /Nonrecurring	-	1.510	-	-	-	-	-	-	-	-	-	-	
2.4) Data/Logistics	-	0.941	-	-	-	0.355	-	0.200	-	-	-	0.200	
2.5) Production Support	-	1.318	-	-	-	-	-	0.175	-	-	-	0.175	
2.6) Other (DSA Recurring)	-	1.962	-	-	-	-	-	-	-	-	-	-	
<i>Total Support Cost</i>		6.676		0.000		0.835		0.571		0.000		0.571	
<i>Procurement Cost (Procurement + Support)</i>		33.130		0.000		0.835		4.823		0.000		4.823	
<i>Total Installation Cost</i>		6.105		0.000		0.000		0.000		0.000		0.000	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>39.235</b>		<b>0.000</b>		<b>0.835</b>		<b>4.823</b>		<b>0.000</b>		<b>4.823</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
L0084 CSRR-SSN (SEAWOLF)													

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (SEAWOLF) - 4

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
B Kits												
Recurring												
1.1.1) Equipment - Baseline (Increment 1 Ver 0) - NonOrganic	-	-	-	-	-	-	-	-	-	-	2	21.504
1.1.2) Equipment - Modernization Kits (Increment 1 Ver 1) - NonOrganic	-	-	-	-	-	-	-	-	-	-	3	2.550
1.1.3) Equipment - Mod Kits Increment 1 Ver 2 - NonOrganic	-	-	-	-	-	-	-	-	-	-	2	2.400
1.1.4) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic <sup>(18)</sup>	1	1.756	-	-	-	-	-	-	-	-	3	6.008
1.1.5) Equipment - Mod kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	0	0.000	3	0.402	3	0.402
<i>Subtotal Recurring</i>		1.756		0.000		0.000		0.000		0.402		32.864
<i>Total, L0084 CSRR-SSN (SEAWOLF)</i>	1	1.756	-	-	-	-	-	-	3	0.402	13	32.864
<i>Total, All Modifications</i>		1.756		0.000		0.000		0.000		0.402		32.864
<b>Support</b>												
2.1) Engineering Nonrecurring	-	-	-	-	-	-	-	-	-	-	-	0.058
2.2) ShipALT/DSA Nonrecurring	-	-	-	-	-	-	-	0.220	-	0.440	-	2.223
2.3) Enterprise Change Request /Nonrecurring	-	-	-	-	-	-	-	-	-	-	-	1.510
2.4) Data/Logistics	-	-	-	-	-	-	-	0.350	-	0.550	-	2.396
2.5) Production Support	-	0.180	-	-	-	-	-	-	-	0.111	-	1.784
2.6) Other (DSA Recurring)	-	0.310	-	0.164	-	-	-	-	-	0.251	-	2.687
<i>Total Support Cost</i>		0.490		0.164		0.000		0.570		1.352		10.658
<i>Procurement Cost (Procurement + Support)</i>		2.246		0.164		0.000		0.570		1.754		43.522
<i>Total Installation Cost</i>		2.608		1.275		0.000		0.000		1.260		11.248
<b>Total Cost (Procurement + Support + Installation)</b>		<b>4.854</b>		<b>1.439</b>		<b>0.000</b>		<b>0.570</b>		<b>3.014</b>		<b>54.770</b>

**Remarks:**

<sup>(18)</sup>Quantity reflects changes to latest fleet availabilities. FY13 SEAWOLF Inc 1 V3 procurement cost is higher as the platform did not receive an Inc 1 V2 upgrade. Refers to installation of major CSRR capability blocks (e.g. Inc 1 Ver 0, Inc 1 Ver 3, etc.). Installation funds are required 90 days in advance of CSRR installs to allow for the procurement of long lead material, contract award, installation availability check and to fund Ship Yard Chief of Naval Operations (CNO) availabilities at A-3 months in accordance with the Fleet Modernization Process (FMP) timelines. Installation cost does not include other Program of Records (PORs) installation funding which is included in the PORs Budget as listed: BLI 3216: NMT- \$290K, BLI 3050: ADNS INC 3 - \$330K, BLI 3415: CUE - \$265K



**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment
<b>Models of Systems Affected:</b> [No Model Specified]		<b>Type Modification:</b> [No Modification Type Specified]
		<b>Related RDT&amp;E PEs:</b> 0604503N

<b>Manufacturer Information: L0084 CSRR-SSN (SEAWOLF)</b>							
Manufacturer Name: CGI Federal				Manufacturer Location: Montreal, Canada			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates			Jan 2013				
Delivery Dates			Jan 2014				

<b>Installation:</b> L0084 CSRR-SSN (SEAWOLF)			<b>Method of Implementation:</b> [none specified]				<b>Installation Name:</b> SEAWOLF					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	7	6.105	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	7	6.105	-	-	-	-	-	-	-	-	-	-

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	7	6.105
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	2	2.608	-	-	-	-	-	-	-	-	2	2.608
FY 2014	-	-	1	1.275	-	-	-	-	-	-	1	1.275
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment
<b>Models of Systems Affected:</b> [No Model Specified]		<b>Type Modification:</b> [No Modification Type Specified]
		<b>Related RDT&amp;E PEs:</b> 0604503N
<b>Installation:</b> L0084 CSRR-SSN (SEAWOLF)		<b>Method of Implementation:</b> [none specified]
		<b>Installation Name:</b> SEAWOLF

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	2	2.608	1	1.275	-	-	-	-	-	-	10	9.988

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	7	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	10
Out	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	10

<b>Installation:</b> L0084 CSRR-SSN (SEAWOLF)		<b>Method of Implementation:</b> [none specified]										<b>Installation Name:</b> Equipment - Mod kits Increment 1 Ver 4															
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total																
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)															
All Prior Years	0	0.000	-	-	-	-	-	-	-	-	-	-															
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-															
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-															
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-															
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-															
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-															
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-															
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-															
To Complete	-	-	-	-	-	-	-	-	-	-	-	-															
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-															

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	0	0.000
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (SEAWOLF) - 4

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Installation:</b> L0084 CSRR-SSN (SEAWOLF)	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> Equipment - Mod kits Increment 1 Ver 4
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2012	-	-	-	-	-	-	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	3	1.260	3	1.260
Total	-	-	-	-	-	-	-	-	3	1.260	3	1.260

**Installation Schedule**

	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (VIRGINIA) Mod Upgrades - 5

**Models of Systems Affected:** [No Model Specified]    **Type Modification:** [No Modification Type Specified]    **Related RDT&E PEs:** 0604503N

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	5.592	12.794	10.483	7.607	0.000	7.607	7.572	10.341	8.296	3.214	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	5.592	12.794	10.483	7.607	0.000	7.607	7.572	10.341	8.296	3.214	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>5.592</b>	<b>12.794</b>	<b>10.483</b>	<b>7.607</b>	<b>0.000</b>	<b>7.607</b>	<b>7.572</b>	<b>10.341</b>	<b>8.296</b>	<b>3.214</b>	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Installation of CSRR upgrades to VIRGINIA Class submarines

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (VIRGINIA) Mod Upgrades - 5

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
L0084 CSRR-SSN (VIRGINIA) Mod Upgrades												
B Kits												
Recurring												
1.1.1) Equipment - Mod Kits Increment 1 Ver 2 (FLT 1 & 2) - NonOrganic <sup>(19)</sup>	2	2.400	2	2.472	-	-	-	-	-	-	-	-
1.1.2) Equipment - Baseline upgrade Increment 1 Ver 3 - NonOrganic <sup>(20)</sup>	-	-	1	2.115	2	4.520	1	2.328	-	-	1	2.328
1.1.3) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal Recurring</i>		2.400		4.587		4.520		2.328		0.000		2.328
<i>Total, L0084 CSRR-SSN (VIRGINIA) Mod Upgrades</i>	2	2.400	3	4.587	2	4.520	1	2.328	-	-	1	2.328
<i>Total, All Modifications</i>		2.400		4.587		4.520		2.328		0.000		2.328
<b>Support</b>												
2.1) Engineering Nonrecurring	-	0.625	-	-	-	-	-	-	-	-	-	-
2.2) Data/Logistics	-	0.920	-	1.064	-	-	-	-	-	-	-	-
2.3) FLT ShipALT/DSA Nonrecurring	-	0.700	-	2.930	-	-	-	-	-	-	-	-
2.4) Enterprise Change Request	-	0.400	-	0.730	-	0.522	-	-	-	-	-	-
2.5) Production Support	-	0.547	-	0.873	-	0.302	-	0.285	-	-	-	0.285
2.6) Other (DSA Recurring)	-	-	-	0.224	-	0.520	-	0.462	-	-	-	0.462
<i>Total Support Cost</i>		3.192		5.821		1.344		0.747		0.000		0.747
<i>Procurement Cost (Procurement + Support)</i>		5.592		10.408		5.864		3.075		0.000		3.075
<i>Total Installation Cost</i>		0.000		2.386		4.619		4.532		0.000		4.532
<b>Total Cost (Procurement + Support + Installation)</b>		5.592		12.794		10.483		7.607		0.000		7.607

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
L0084 CSRR-SSN (VIRGINIA) Mod Upgrades												

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (VIRGINIA) Mod Upgrades - 5

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
B Kits												
Recurring												
1.1.1) Equipment - Mod Kits Increment 1 Ver 2 (FLT 1 & 2) - NonOrganic <sup>(19)</sup>	-	-	-	-	-	-	-	-	-	-	4	4.872
1.1.2) Equipment - Baseline upgrade Increment 1 Ver 3 - NonOrganic <sup>(20)</sup>	2	4.795	2	4.939	1	2.544	-	-	Continuing	Continuing	Continuing	Continuing
1.1.3) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	-	0.000	Continuing	Continuing	Continuing	Continuing
<i>Subtotal Recurring</i>		4.795		4.939		2.544		0.000		0.000		4.872
<i>Total, L0084 CSRR-SSN (VIRGINIA) Mod Upgrades</i>	2	4.795	2	4.939	1	2.544	-	-	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		4.795		4.939		2.544		0.000		0.000		0.000
<b>Support</b>												
2.1) Engineering Nonrecurring	-	-	-	-	-	-	-	-	-	-	-	0.625
2.2) Data/Logistics	-	-	-	-	-	-	-	0.242	Continuing	Continuing	Continuing	Continuing
2.3) FLT ShipALT/DSA Nonrecurring	-	-	-	-	-	-	-	0.250	Continuing	Continuing	Continuing	Continuing
2.4) Enterprise Change Request	-	-	-	-	-	-	-	-	-	-	-	1.652
2.5) Production Support	-	0.295	-	0.302	-	0.467	-	-	Continuing	Continuing	Continuing	Continuing
2.6) Other (DSA Recurring)	-	0.238	-	0.490	-	0.504	-	0.260	Continuing	Continuing	Continuing	Continuing
<i>Total Support Cost</i>		0.533		0.792		0.971		0.752		0.000		2.277
<i>Procurement Cost (Procurement + Support)</i>		5.328		5.731		3.515		0.752		0.000		2.277
<i>Total Installation Cost</i>		2.244		4.610		4.781		2.462		0.000		25.634
<b>Total Cost (Procurement + Support + Installation)</b>		7.572		10.341		8.296		3.214		0.000		27.911

**Remarks:**  
<sup>(19)</sup>Refers to installation of major CSRR capability blocks (e.g. Inc 1 Ver 0, Inc 1 Ver 3, etc.). Installation funds are required 90 days in advance of CSRR installs to allow for the procurement of long lead material, contract award, installation availabilities ship check and to fund Ship Yard Chief of Naval Operations (CNO) availabilities at A-3 months in accordance with the Fleet Modernization Process (FMP) timelines. Installation cost does not include other Program of Records (PORs) installation funding which is included in the PORs Budget as listed: BLI 3216: NMT- \$290K, BLI 3050: ADNS INC 3 - \$330K, BLI 3415: CUE - \$265K  
<sup>(20)</sup>Quantity reflects changes to latest fleet availabilities. The actual equipment costs in FY12 have increase by 10% greater than projected inflation imoacting kit costs across the FYDP.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (VIRGINIA) Mod Upgrades - 5

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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**Manufacturer Information: L0084 CSRR-SSN (VIRGINIA) Mod Upgrades**

Manufacturer Name: CGI Federal	Manufacturer Location: Montreal, Canada
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jan 2011						
Delivery Dates	Jan 2012						

Manufacturer Name: CGI Federal	Manufacturer Location: Montreal, Canada
Administrative Leadtime ( <i>in Months</i> ): 3	Production Leadtime ( <i>in Months</i> ): 12

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Jun 2011	Jan 2012	Jan 2013				
Delivery Dates	Jun 2012	Jan 2013	Jan 2014				

**Installation: L0084 CSRR-SSN (VIRGINIA) Mod Upgrades**      **Method of Implementation:** Method      **Installation Name:** Virginia Class

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	2	2.386	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	3	4.619	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	4.532	0	0.000	2	4.532
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	2	2.386	3	4.619	2	4.532	0	0.000	2	4.532

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	2	2.386

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN (VIRGINIA) Mod Upgrades - 5

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Installation:</b> L0084 CSRR-SSN (VIRGINIA) Mod Upgrades	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Virginia Class
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2011	-	-	-	-	-	-	-	-	-	-	3	4.619
FY 2012	-	-	-	-	-	-	-	-	-	-	2	4.532
FY 2013	1	2.244	-	-	-	-	-	-	-	-	1	2.244
FY 2014	-	-	2	4.610	-	-	-	-	-	-	2	4.610
FY 2015	-	-	-	-	2	4.781	-	-	-	-	2	4.781
FY 2016	-	-	-	-	-	-	1	2.462	-	-	1	2.462
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>2.244</b>	<b>2</b>	<b>4.610</b>	<b>2</b>	<b>4.781</b>	<b>1</b>	<b>2.462</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>25.634</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	1	-	-	-	1	1	-	1	2	-	-	1	1	-	-	-	2	-	-	-	2	-	-	-	1	-	-	-	13
Out	-	-	-	-	-	-	1	-	-	1	2	-	-	2	-	-	-	2	-	2	-	-	-	2	-	-	-	1	-	-	13



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades - 6

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	8.322	26.130	40.407	32.427	0.000	32.427	35.213	24.642	5.267	10.635	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	8.322	26.130	40.407	32.427	0.000	32.427	35.213	24.642	5.267	10.635	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>8.322</b>	<b>26.130</b>	<b>40.407</b>	<b>32.427</b>	<b>0.000</b>	<b>32.427</b>	<b>35.213</b>	<b>24.642</b>	<b>5.267</b>	<b>10.635</b>	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Installation of CSRR and upgrades on LA Class

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades - 6					
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b> 0604503N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades													
B Kits													
Recurring													
1.1.1) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic <sup>(21)</sup>	2	6.000	5	15.515	8	27.161	4	13.988	-	-	4	13.988	
1.1.2) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		6.000		15.515		27.161		13.988		0.000		13.988	
<i>Total, L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades</i>	2	6.000	5	15.515	8	27.161	4	13.988	-	-	4	13.988	
<i>Total, All Modifications</i>		6.000		15.515		27.161		13.988		0.000		13.988	
<b>Support</b>													
2.1) Enterprise Change Request/Nonrecurring	-	0.705	-	0.730	-	1.136	-	-	-	-	-	-	
2.2) ShipALT/DSA Nonrecurring	-	0.250	-	1.191	-	-	-	-	-	-	-	-	
2.3) Data/Logistics	-	0.200	-	1.800	-	-	-	-	-	-	-	-	
2.4) Production Support	-	0.609	-	1.293	-	1.483	-	1.007	-	-	-	1.007	
2.5) Other (DSA Recurring)	-	0.558	-	1.001	-	1.627	-	2.600	-	-	-	2.600	
<i>Total Support Cost</i>		2.322		6.015		4.246		3.607		0.000		3.607	
<i>Procurement Cost (Procurement + Support)</i>		8.322		21.530		31.407		17.595		0.000		17.595	
<i>Total Installation Cost</i>		0.000		4.600		9.000		14.832		0.000		14.832	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>8.322</b>		<b>26.130</b>		<b>40.407</b>		<b>32.427</b>		<b>0.000</b>		<b>32.427</b>	
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades													
B Kits													
Recurring													
1.1.1) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic <sup>(21)</sup>	7	25.213	2	7.420	-	-	2	7.872	4	9.804	34	112.973	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades - 6

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1.1.2) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	-	-	-	-	-	-	1	0.258	Continuing	Continuing	Continuing	Continuing
<i>Subtotal Recurring</i>		25.213		7.420		0.000		8.130		9.804		112.973
<i>Total, L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades</i>	7	25.213	2	7.420	-	-	3	8.130	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		25.213		7.420		0.000		8.130		0.000		0.000
<b>Support</b>												
2.1) Enterprise Change Request/Nonrecurring	-	-	-	-	-	-	-	1.200	-	-	-	3.771
2.2) ShipALT/DSA Nonrecurring	-	-	-	-	-	0.250	-	0.250	Continuing	Continuing	Continuing	Continuing
2.3) Data/Logistics	-	-	-	-	-	0.255	-	0.220	-	-	-	2.475
2.4) Production Support	-	1.022	-	1.039	-	-	-	0.169	Continuing	Continuing	Continuing	Continuing
2.5) Other (DSA Recurring)	-	1.340	-	2.415	-	0.710	-	0.666	Continuing	Continuing	Continuing	Continuing
<i>Total Support Cost</i>		2.362		3.454		1.215		2.505		0.000		6.246
<i>Procurement Cost (Procurement + Support)</i>		27.575		10.874		1.215		10.635		0.000		6.246
<i>Total Installation Cost</i>		7.638		13.768		4.052		0.000		0.000		53.890
<b>Total Cost (Procurement + Support + Installation)</b>		<b>35.213</b>		<b>24.642</b>		<b>5.267</b>		<b>10.635</b>		<b>0.000</b>		<b>60.136</b>

**Remarks:**  
<sup>(21)</sup>Quantity reflects changes to latest fleet availabilities. The actual equipment costs in FY12 have increase by 10% greater than projected inflation imoacting kit costs across the FYDP. Refers to installation of major CSRR capability blocks (e.g. Inc 1 Ver 0, Inc 1 Ver 3, etc.). Installation funds are required 90 days in advance of CSRR installs to allow for the procurement of long lead material, contract award, installation availabilities ship check and to fund Ship Yard Chief of Naval Operations (CNO) availabilities at A-3 months in accordance with the Fleet Modernization Process (FMP) timelines. Installation cost does not include other Program of Records (PORs) installation funding which is included in the PORs Budget as listed: BLI 3216: NMT- \$290K, BLI 3050: ADNS INC 3 - \$330K, BLI 3415: CUE - \$265K

<b>Manufacturer Information: L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades</b>											
Manufacturer Name: CGI Federal						Manufacturer Location: Montreal, Canada					
Administrative Leadtime (in Months): 3						Production Leadtime (in Months): 12					
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>				
Contract Dates	Jan 2011	Jan 2012	Jan 2013								
Delivery Dates	Jan 2012	Jan 2013	Jan 2014								

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades - 6

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Installation:</b> L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> LA Class
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	2	4.600	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	5	9.000	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	8	14.832	0	0.000	8	14.832
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	2	4.600	5	9.000	8	14.832	0	0.000	8	14.832

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	2	4.600
FY 2011	-	-	-	-	-	-	-	-	-	-	5	9.000
FY 2012	-	-	-	-	-	-	-	-	-	-	8	14.832
FY 2013	4	7.638	-	-	-	-	-	-	-	-	4	7.638
FY 2014	-	-	7	13.768	-	-	-	-	-	-	7	13.768
FY 2015	-	-	-	-	2	4.052	-	-	-	-	2	4.052
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	3	0.000	3	0.000
To Complete	-	-	-	-	-	-	-	-	4	0.000	4	0.000
<b>Total</b>	4	7.638	7	13.768	2	4.052	-	-	7	0.000	35	53.890

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades - 6

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0604503N
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<b>Installation:</b> L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> LA Class
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Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	1	3	1	1	-	2	3	-	3	-	2	2	1	3	3	1	-	2	-	-	-	-	-	-	7	35
Out	-	-	-	-	-	-	-	1	-	1	-	1	3	3	2	-	2	1	-	5	4	2	-	2	1	-	-	-	-	7	35

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment				<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> L0097 Submarine Local Area Network - 7				

<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	115.729	5.852	4.356	3.844	0.000	3.844	6.007	3.911	3.909	3.981	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	115.729	5.852	4.356	3.844	0.000	3.844	6.007	3.911	3.909	3.981	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>115.729</b>	<b>5.852</b>	<b>4.356</b>	<b>3.844</b>	<b>0.000</b>	<b>3.844</b>	<b>6.007</b>	<b>3.911</b>	<b>3.909</b>	<b>3.981</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Installation of SubLAN Personal Computers (PC's) & Engine Room Drop Augment (ERDA), Propulsion Plant Monitoring System (PPMS)

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0097 Submarine Local Area Network - 7			
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
L0097 Submarine Local Area Network													
B Kits													
Recurring													
1.1.1) Equipment - SubLAN - NonOrganic <sup>(22)</sup>	9	30.379	-	-	-	-	-	-	-	-	-	-	
1.1.2) Equipment - SubLAN PCs - Organic <sup>(23)</sup>	66	5.749	-	-	-	-	-	-	-	-	-	-	
1.1.3) SSN688 GFI/ShipALT - Organic	-	10.390	-	-	-	-	-	-	-	-	-	-	
1.1.4) SSN21 GFI/ShipALT - Organic	-	5.709	-	-	-	-	-	-	-	-	-	-	
1.1.5) SSBN GFI/ShipALT - Organic	-	4.985	-	-	-	-	-	-	-	-	-	-	
1.1.6) SSGN GFI/ShipALT - Organic	-	4.563	-	0.400	-	-	-	-	-	-	-	-	
1.1.7) SSN774 GFI/ShipALT - Organic	-	1.421	-	0.722	-	-	-	-	-	-	-	-	
1.1.8) Other Equipment - PC Augment - Organic	70	2.179	-	-	-	-	-	-	-	-	-	-	
1.1.9) Other Equipment - ERDA - NonOrganic <sup>(24)</sup>	47	1.217	1	0.019	1	0.019	1	0.019	-	-	1	0.019	
1.1.10) Other Equipment - PC Replacement - Organic	16	1.392	20	1.740	-	-	-	-	-	-	-	-	
1.1.11) Other Equipment - PPMS - NonOrganic <sup>(25)</sup>	3	0.435	1	0.146	7	0.963	2	0.292	-	-	2	0.292	
1.1.12) Support Equipment - EDM - Organic	-	0.300	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		68.719		3.027		0.982		0.311		0.000		0.311	
<i>Total, L0097 Submarine Local Area Network</i>	211	68.719	22	3.027	8	0.982	3	0.311	-	-	3	0.311	
<i>Total, All Modifications</i>		68.719		3.027		0.982		0.311		0.000		0.311	
<b>Support</b>													
2.1) Production Support	-	8.390	-	0.026	-	0.046	-	0.015	-	-	-	0.015	
2.2) Other (DSA)	-	0.204	-	0.120	-	0.126	-	0.132	-	-	-	0.132	
<i>Total Support Cost</i>		8.594		0.146		0.172		0.147		0.000		0.147	
<i>Procurement Cost (Procurement + Support)</i>		77.313		3.173		1.154		0.458		0.000		0.458	
<i>Total Installation Cost</i>		38.416		2.679		3.202		3.386		0.000		3.386	
<b>Total Cost (Procurement + Support + Installation)</b>		115.729		5.852		4.356		3.844		0.000		3.844	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy									<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12				<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0097 Submarine Local Area Network - 7				
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b>						
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
L0097 Submarine Local Area Network													
B Kits													
Recurring													
1.1.1) Equipment - SubLAN - NonOrganic <sup>(22)</sup>	-	-	-	-	-	-	-	-	-	-	9	30.379	
1.1.2) Equipment - SubLAN PCs - Organic <sup>(23)</sup>	-	-	-	-	-	-	-	-	-	-	66	5.749	
1.1.3) SSN688 GFI/ShipALT - Organic	-	-	-	-	-	-	-	-	-	-	-	10.390	
1.1.4) SSN21 GFI/ShipALT - Organic	-	-	-	-	-	-	-	-	-	-	-	5.709	
1.1.5) SSBN GFI/ShipALT - Organic	-	-	-	-	-	-	-	-	-	-	-	4.985	
1.1.6) SSGN GFI/ShipALT - Organic	-	-	-	-	-	-	-	-	-	-	-	4.963	
1.1.7) SSN774 GFI/ShipALT - Organic	-	-	-	-	-	-	-	-	-	-	-	2.143	
1.1.8) Other Equipment - PC Augment - Organic	-	-	-	-	-	-	-	-	-	-	70	2.179	
1.1.9) Other Equipment - ERDA - NonOrganic <sup>(24)</sup>	-	-	-	-	-	-	-	-	-	-	50	1.274	
1.1.10) Other Equipment - PC Replacement - Organic	16	1.384	-	-	-	-	-	-	-	-	52	4.516	
1.1.11) Other Equipment - PPMS - NonOrganic <sup>(25)</sup>	7	1.234	5	0.697	5	0.715	5	0.827	Continuing	Continuing	Continuing	Continuing	
1.1.12) Support Equipment - EDM - Organic	-	-	-	-	-	-	-	-	-	-	-	0.300	
<i>Subtotal Recurring</i>		2.618		0.697		0.715		0.827		0.000		72.587	
<i>Total, L0097 Submarine Local Area Network</i>	23	2.618	5	0.697	5	0.715	5	0.827	Continuing	Continuing	Continuing	Continuing	
<i>Total, All Modifications</i>		2.618		0.697		0.715		0.827		0.000		0.000	
<b>Support</b>													
2.1) Production Support	-	0.056	-	0.041	-	0.043	-	0.060	-	-	-	8.677	
2.2) Other (DSA)	-	0.184	-	0.096	-	0.125	-	0.130	-	-	-	1.117	
<i>Total Support Cost</i>		0.240		0.137		0.168		0.190		0.000		9.794	
<i>Procurement Cost (Procurement + Support)</i>		2.858		0.834		0.883		1.017		0.000		9.794	
<i>Total Installation Cost</i>		3.149		3.077		3.026		2.964		0.000		59.899	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>6.007</b>		<b>3.911</b>		<b>3.909</b>		<b>3.981</b>		<b>0.000</b>		<b>69.693</b>	
<b>Remarks:</b>													



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0097 Submarine Local Area Network - 7

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<sup>(22)</sup>Installation schedule based on submarine availability. Installation funding must be in place 90 days prior to installation availability start date. As a result, all afloat installs schedule for OCT-DEC of the fiscal year must be budgeted with prior year funding.

<sup>(23)</sup>FY09 thru FY14 SubLAN Personal Computer (PC) procurement/replacement requires no installation funds, therefore procurement and installation quantities will not match one for one.

<sup>(24)</sup>SubLAN requires an additional 4 months after delivery for required pre-installation test and check out (PITCO) prior to installation start. Installs do not begin until 7 months after contract award (3 months PLT + 4 months PITCO).

<sup>(25)</sup>First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

**Manufacturer Information: L0097 Submarine Local Area Network**

Manufacturer Name: NUWC Newport				Manufacturer Location: Newport, Rhode Island			
Administrative Leadtime ( <i>in Months</i> ): 2				Production Leadtime ( <i>in Months</i> ): 3			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010	Dec 2011	Dec 2012				
Delivery Dates	Mar 2011	Mar 2012	Mar 2013				

**Installation:** L0097 Submarine Local Area Network      **Method of Implementation:** [none specified]      **Installation Name:** SubLAN

Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	54	38.416	5	2.232	-	-	-	-	-	-	-	-
FY 2011	-	-	0	0.447	1	0.534	-	-	-	-	-	-
FY 2012	-	-	-	-	5	2.668	3	1.704	0	0.000	3	1.704
FY 2013	-	-	-	-	-	-	3	1.682	0	0.000	3	1.682
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>54</b>	<b>38.416</b>	<b>5</b>	<b>2.679</b>	<b>6</b>	<b>3.202</b>	<b>6</b>	<b>3.386</b>	<b>0</b>	<b>0.000</b>	<b>6</b>	<b>3.386</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 3130 - Submarine Communication Equipment
		<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): L0097 Submarine Local Area Network - 7

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> L0097 Submarine Local Area Network	<b>Method of Implementation:</b> [none specified]	<b>Installation Name:</b> SubLAN
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
All Prior Years	-	-	-	-	-	-	-	-	-	-	59	40.648
FY 2011	-	-	-	-	-	-	-	-	-	-	1	0.981
FY 2012	-	-	-	-	-	-	-	-	-	-	8	4.372
FY 2013	-	-	-	-	-	-	-	-	-	-	3	1.682
FY 2014	6	3.149	1	0.787	-	-	-	-	-	-	7	3.936
FY 2015	-	-	3	2.290	2	1.264	-	-	-	-	5	3.554
FY 2016	-	-	-	-	3	1.762	2	1.555	-	-	5	3.317
FY 2017	-	-	-	-	-	-	2	1.409	3	0.000	5	1.409
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>6</b>	<b>3.149</b>	<b>4</b>	<b>3.077</b>	<b>5</b>	<b>3.026</b>	<b>4</b>	<b>2.964</b>	<b>3</b>	<b>0.000</b>	<b>93</b>	<b>59.899</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	54	-	2	2	1	1	1	-	5	-	3	-	3	-	-	-	5	1	1	-	2	1	2	-	2	1	2	-	2	3	94
Out	54	-	2	2	1	1	1	-	5	-	3	-	3	-	-	-	5	1	1	-	2	1	2	-	2	1	2	-	2	3	94

<b>Installation:</b> L0097 Submarine Local Area Network	<b>Method of Implementation:</b> Organic - Equipment - SubLAN PCs	<b>Installation Quantity:</b> 66
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<b>Installation:</b> L0097 Submarine Local Area Network	<b>Method of Implementation:</b> Organic - Other Equipment - PC Augment	<b>Installation Quantity:</b> 70
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<b>Installation:</b> L0097 Submarine Local Area Network	<b>Method of Implementation:</b> Organic - Other Equipment - PC Replacement	<b>Installation Quantity:</b> 52
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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 13 : Satellite Communications	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	925.966	28.650	25.522	49.294	-	49.294	23.524	35.512	41.476	30.314	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	925.966	28.650	25.522	49.294	-	49.294	23.524	35.512	41.476	30.314	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	925.966	28.650	25.522	49.294	-	49.294	23.524	35.512	41.476	30.314	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.196	0.256	0.184	-	0.184	0.143	0.246	0.455	0.204	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Satellite Communications (SATCOM) Systems P-1 line provides funds for procurement of shipboard terminal equipment for ship-to-ship, ship-to-shore and ship-to-aircraft tactical communications via earth orbiting relay satellites in the Ultra High Frequency (UHF), Super High Frequency (SHF), and Extremely High Frequency (EHF) bands. This includes Radio Frequency (RF) equipment and baseband equipment assembled and grouped into systems and subsystems structured to address specific naval communications requirements. These systems provide processors and peripheral equipment that control the RF links for message traffic, direct data transfer and secure voice communications. They are selected and oriented by communications traffic levels, types of communications and operational missions.

[P40A / (NR101) DAMA/MINI DAMA]: DEMAND ASSIGNED MULTIPLE ACCESS (DAMA)/ MINIATURIZED DEMAND ASSIGNED MULTIPLE ACCESS: Triples the UHF satellite channel capacity through improved multiplexing, thus reducing oversubscription rate for UHF satellite access to better meet present user requirements with existing space segment. This funding fields the improved DAMA capability of Integrated Waveform as an upgrade to the MD-1324 series modems already deployed in the Navy surface fleet and shore stations.

[P40A / (NR106) SHF Terminal]: SHF SYSTEMS (SHF - NR106): The Navy is continuing with expansion on use of Super High Frequency (SHF) for communications in support of Navy Tactical and Joint Force (JTF) Operating Forces Afloat through a phased implementation. AN/WSC-6(V)9 terminals, which provide high data throughput capacity for Non-Classified Internet Protocol Router Network (NIPRNET) / Secret Internet Protocol Router Network (SIPRNET), voice, and Internet connectivity, are continuing to be fielded. This system also provides SHF shore based modem equipment for high data rate communications with Fleet units via the Defense Satellite Communications Systems (DSCS). Shore based terminals have an operational requirement to support joint theater and Navy unique command, control, communications, support and intelligence circuits for voice, data, video and imagery to the extent they are required on SHF platforms. Enhanced Bandwidth Efficient Modem (EBEM) provides increased operational capability to all SHF terminals. This will allow SHF to make maximum use of the added tactical wideband capacity through the Wideband Gap filler System (WGS).

[P40A / (NR117) Global Broadcast Service (GBS)]: GLOBAL BROADCAST SERVICE (GBS - NR117): GBS is a Joint MILSATCOM program with the Air Force as Executive Agent for all services. GBS provides a continuous, high speed, one way information flow of high volume data to units ashore, afloat or special operations. GBS supports routine operations, training and military exercises, special activities, crises, situational awareness, weapons targeting, reconnaissance and the transition to and conduct of opposed operations short of nuclear war. Deployment of GBS internet protocol (IP) terminals will allow expanded use of military intelligence collection in a broader spectrum using MILSATCOM architecture. GBS provides worldwide, high data rate, one-way transmission of video (especially from Unmanned Aerial Vehicles, imagery, geospatial intelligence products and other high-bandwidth information supporting joint combat forces in garrison, in transition and deployed within global combat zones). GBS has the capability to receive up to 45 Mbps from Wideband Global Satellite (WGS) and up to 23.5 Mbps from Ultra High Frequency Follow On (UFO). The Navy GBS Split IP effort enables near-real-time duplex asymmetric communications connectivity to ships/subs. GBS plays a pivotal role in an Anti Access Area Denial scenario.

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 13 : Satellite Communications	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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[P40A / (NR118) JMINI Control System]: JMINI CONTROL SYSTEM (JMINI CS - NR118): The Joint UHF Military Satellite Communications Network Integrated Control System (JMINI CS) is a joint interest program with the Navy designated as the lead service. The JMINI CS provides dynamic centralized control of 5-kHz and 25-kHz UHF MILSATCOM voice and data resources (channels and Time Division Multiple Access time slots) via a globally integrated system of four control stations, located at Naval Computer and Telecommunications Area Master Station Atlantic and Pacific sites, as well as Naval Computer and Telecommunications Stations Naples and Guam. The globally integrated system consists of three major subsystems: Network Management System, Satellite Access Controller, and the control terminals. The system utilizes the Digital Modular Radio, MD-1324, RT-1771 radios and RT-1828 for its control terminals. Procurements support hardware refresh of channel control terminals with COTS solutions. Each of the four JMINI CS sites require a suite of 4-channel terminals and ancillary COTS equipment to meet operational requirements.

[P3A / (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat]: NESP provides joint interoperable core and hard-core communications at all levels of conflict with assured survivability under extreme conditions (Electromagnetic Anti-Jam, Low Probability of Intercept/Detection (AJ/LPI/LPD), Physical, Scintillation) via the Military Strategic and Tactical Relay System , Ultra High Frequency Follow On /EHF/ Enhanced EHF, Interim Polar and Advanced EHF satellites. Time Division Multiple Access Interface Processor (TIP) is ancillary equipment to NESP and provides Internet Protocol networked communications over EHF Medium Data Rate waveforms. This capability enhances the NESP system by enabling afloat units to operate with a shoreless architecture.

[P3A / (NR112) Commercial Broadband Satellite program (CBSP) - Afloat]: CBSP will support the procurement and installation of a commercial terminal and service architecture that will eventually replace the Inmarsat program (Inmarsat: PCs and Inmarsat B HSD: MCMs, DDGs, CGS) and Commercial Wideband Satellite Program (WSC-8 Large Decks). The program will utilize commercial off-the-shelf (COTS)/ non-developmental item (NDI) equipment to provide data throughput to the Fleet. The associated architectures are designed to significantly increase the throughput of data to increase Satellite Communication (SATCOM) reliability for Military Satellite Communication (MILSATCOM). Included in the program are Small Ship Variant (SSV - Patrol Coastal or Mine Countermeasure Ships), Unit Level Variant (ULV - examples are Guided Missile Destroyers or Guided Missile Frigates), and Force Level Variant (FLV - large combatant ships such as carriers).

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Satellite Communications Systems (See enclosed P-40A)	P40A, P5A, P21				4.902			18.163			8.895			25.144			0.000			25.144
(NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat - 1	P3A		-	-	844.142	-	-	2.730	-	-	2.659	-	-	7.099	-	-	0.000	-	-	7.099
(NR112) Commercial Broadband Satellite program (CBSP) - Afloat - 2	P3A		-	-	76.922	-	-	7.757	-	-	13.968	-	-	17.051	-	-	0.000	-	-	17.051
<b>Total Gross/Weapon System Cost</b>					<b>925.966</b>			<b>28.650</b>			<b>25.522</b>			<b>49.294</b>			<b>-</b>			<b>49.294</b>

		FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Satellite Communications Systems (See enclosed P-40A)	P40A, P5A, P21				0.000			0.000			0.000			0.000			0.000			0.000

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 13 : Satellite Communications **P-1 Line Item Nomenclature:**  
 3215 - Satellite Communications Systems

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
(NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat - 1	P3A		-	-	2.299	-	-	4.732	-	-	2.058	-	-	2.095	-	-	-	-	-	-
(NR112) Commercial Broadband Satellite program (CBSP) - Afloat - 2	P3A		-	-	16.832	-	-	19.309	-	-	21.354	-	-	26.528	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>					<b>23.524</b>			<b>35.512</b>			<b>41.476</b>			<b>30.314</b>			<b>-</b>			<b>-</b>

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 FY 2013 continues the procurement of Global Broadcast System (GBS), Next Generation Receive Terminals (NGRT), Navy Extremely High Frequency (NESP) Cipher Text Time Division Multiple Access Interface Processor (TIP) Upgrade Kits, NESP TIP Thin Line Chassis Upgrade Kits, and Force Level Variant (FLV) Commercial Broadband Satellite Program (CBSP) terminals.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 13 **P-1 Line Item Nomenclature:** 3215 - Satellite Communications Systems **Aggregated Item Name:** Satellite Communications Systems

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) (NR101) DAMA/ MINI DAMA</b>																			
† 1.1) DAMA/MINI DAMA MD-1324A IW	A	-	-	-	-	-	-	5.000	70	0.350	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) (NR101) DAMA/MINI DAMA</i>				0.000				0.000		0.350			0.000			0.000			0.000
<b>2) (NR106) SHF Terminal</b>																			
† 2.1) SHF Terminal-AN/ WSC-6(V)9	A	-	-	-	-	-	-	-	-	-	9,991.000	1	9.991	-	-	-	9,991.000	1	9.991
<i>Subtotal 2) (NR106) SHF Terminal</i>				0.000				0.000		0.000			9.991			0.000			9.991
<b>3) (NR112) Commercial Broadcast Satellite Program (CBSP) Ashore</b>																			
3.1) CBSP Ashore Small Ship Variant (SSV)	A	-	-	0.495	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) CBSP Unit Level Variant (ULV)	A	-	-	1.376	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) CBSP Force Level Variant (FLV)	A	-	-	2.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) (NR112) Commercial Broadcast Satellite Program (CBSP) Ashore</i>				4.365				0.000		0.000			0.000			0.000			0.000
<b>4) (NR117) Global Broadcast Service (GBS)</b>																			
† 4.1) GBS - JPIM Modem <sup>(1)</sup>	A	-	-	-	-	-	-	-	-	-	58.200	210	12.222	-	-	-	58.200	210	12.222
4.2) GBS - Single Receive Suite (Afloat)	A	-	-	-	273.250	16	4.372	-	-	-	-	-	-	-	-	-	-	-	-
4.3) GBS - Dual Receive Suite (Afloat)	A	-	-	-	107.000	4	0.428	-	-	-	-	-	-	-	-	-	-	-	-
4.4) GBS - Subs Receive Suite (Afloat)	A	-	-	-	107.000	4	0.428	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 13					P-1 Line Item Nomenclature: 3215 - Satellite Communications Systems									Aggregated Item Name: Satellite Communications Systems					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
4.5) GBS - Shore Receive Suite	A	-	-	-	195.000	2	0.390	-	-	-	-	-	-	-	-	-	-	-	-
† 4.6) GBS - Next Generation Receive Terminals (Shore)	A	-	-	-	303.286	7	2.123	311.429	7	2.180	320.000	7	2.240	-	-	-	320.000	7	2.240
† 4.7) GBS - DECC SPLIT IP Upgrade Kit	A	-	-	-	-	-	-	120.000	2	0.240	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) (NR117) Global Broadcast Service (GBS)</i>				0.000			7.741			2.420			14.462			0.000			14.462
<b>5) (NR118) JMINI Control System</b>																			
† 5.1) JMINI Control System-Shore	A	-	-	-	1,777.500	2	3.555	1,399.000	1	1.399	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) (NR118) JMINI Control System</i>				0.000			3.555			1.399			0.000			0.000			0.000
<b>6) (NR555) Production Support</b>																			
6.1) DAMA/MINI DAMA MD-1324A IW	A	-	-	-	-	-	0.110	-	-	0.121	-	-	-	-	-	-	-	-	-
6.2) Super High Frequency (SHF)	A	-	-	-	-	-	-	-	-	-	-	-	0.309	-	-	-	-	-	0.309
6.3) CBSP Ashore	A	-	-	0.451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) Global Broadcast Service (GBS)	A	-	-	-	-	-	0.305	-	-	0.141	-	-	0.382	-	-	-	-	-	0.382
6.5) JMINI Control System-Shore	A	-	-	-	-	-	0.109	-	-	0.075	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) (NR555) Production Support</i>				0.451			0.524			0.337			0.691			0.000			0.691
<b>7) (NR776) Non-FMP Pre-installation Design</b>																			
7.1) CBSP Ashore	A	-	-	0.086	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 7) (NR776) Non-FMP Pre-installation Design</i>				0.086			0.000			0.000			0.000			0.000			0.000
<b>8) (NR776) Non-FMP Installation (Shore)</b>																			
8.1) CBSP Ashore	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 13 **P-1 Line Item Nomenclature:** 3215 - Satellite Communications Systems **Aggregated Item Name:** Satellite Communications Systems

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
8.2) Global Broadcast Service (GBS)	A	-	-	-	-	-	0.306	-	-	0.480	-	-	-	-	-	-	-	-	-
8.3) JMINI Control System-Shore	A	-	-	-	-	-	0.320	-	-	0.071	-	-	-	-	-	-	-	-	-
<i>Subtotal 8) (NR776) Non-FMP Installation (Shore)</i>				0.000			0.626			0.551			0.000			0.000			0.000
<b>9) (NR777) FMP Installation (Ship)</b>																			
9.1) DAMA/MINI DAMA MD-1324A IW	A	-	-	-	-	-	1.031	-	-	2.306	-	-	-	-	-	-	-	-	-
9.2) Global Broadcast Service (GBS)	A	-	-	-	-	-	2.453	-	-	-	-	-	-	-	-	-	-	-	-
9.3) SHF SATCOM	A	-	-	-	-	-	1.694	-	-	1.297	-	-	-	-	-	-	-	-	-
<i>Subtotal 9) (NR777) FMP Installation (Ship)</i>				0.000			5.178			3.603			0.000			0.000			0.000
<b>10) (NR777) FMP DSA (Ship)</b>																			
10.1) DAMA/MINI DAMA MD-1324A IW	A	-	-	-	-	-	0.201	-	-	0.153	-	-	-	-	-	-	-	-	-
10.2) Global Broadcast System (GBS)	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.3) SHF SATCOM	A	-	-	-	-	-	0.338	-	-	0.082	-	-	-	-	-	-	-	-	-
<i>Subtotal 10) (NR777) FMP DSA (Ship)</i>				0.000			0.539			0.235			0.000			0.000			0.000
<b>Total</b>				<b>4.902</b>			<b>18.163</b>			<b>8.895</b>			<b>25.144</b>			<b>0.000</b>			<b>25.144</b>



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 13 **P-1 Line Item Nomenclature:** 3215 - Satellite Communications Systems **Aggregated Item Name:** Satellite Communications Systems

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) (NR101) DAMA/ MINI DAMA</b>																			
† 1.1) DAMA/MINI DAMA MD-1324A IW	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) (NR101) DAMA/MINI DAMA</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) (NR106) SHF Terminal</b>																			
† 2.1) SHF Terminal-AN/ WSC-6(V)9	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) (NR106) SHF Terminal</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) (NR112) Commercial Broadcast Satellite Program (CBSP) Ashore</b>																			
3.1) CBSP Ashore Small Ship Variant (SSV)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) CBSP Unit Level Variant (ULV)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) CBSP Force Level Variant (FLV)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) (NR112) Commercial Broadcast Satellite Program (CBSP) Ashore</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) (NR117) Global Broadcast Service (GBS)</b>																			
† 4.1) GBS - JPIM Modem <sup>(1)</sup>	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) GBS - Single Receive Suite (Afloat)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) GBS - Dual Receive Suite (Afloat)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4) GBS - Subs Receive Suite (Afloat)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 13					P-1 Line Item Nomenclature: 3215 - Satellite Communications Systems										Aggregated Item Name: Satellite Communications Systems				
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
4.5) GBS - Shore Receive Suite	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 4.6) GBS - Next Generation Receive Terminals (Shore)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 4.7) GBS - DECC SPLIT IP Upgrade Kit	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) (NR117) Global Broadcast Service (GBS)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) (NR118) JMINI Control System</b>																			
† 5.1) JMINI Control System-Shore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) (NR118) JMINI Control System</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) (NR555) Production Support</b>																			
6.1) DAMA/MINI DAMA MD-1324A IW	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) Super High Frequency (SHF)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) CBSP Ashore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) Global Broadcast Service (GBS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.5) JMINI Control System-Shore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) (NR555) Production Support</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>7) (NR776) Non-FMP Pre-installation Design</b>																			
7.1) CBSP Ashore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 7) (NR776) Non-FMP Pre-installation Design</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>8) (NR776) Non-FMP Installation (Shore)</b>																			
8.1) CBSP Ashore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 13 **P-1 Line Item Nomenclature:** 3215 - Satellite Communications Systems **Aggregated Item Name:** Satellite Communications Systems

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
8.2) Global Broadcast Service (GBS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.3) JMINI Control System-Shore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 8) (NR776) Non-FMP Installation (Shore)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>9) (NR777) FMP Installation (Ship)</b>																			
9.1) DAMA/MINI DAMA MD-1324A IW	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) Global Broadcast Service (GBS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.3) SHF SATCOM	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 9) (NR777) FMP Installation (Ship)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>10) (NR777) FMP DSA (Ship)</b>																			
10.1) DAMA/MINI DAMA MD-1324A IW	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.2) Global Broadcast System (GBS)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.3) SHF SATCOM	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 10) (NR777) FMP DSA (Ship)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**  
 [dlb] P40A Set P-40A Remarks  
  
 [(NR106) SHF Terminal] Installation funded as turnkey.  
  
 [(NR112) Commercial Broadcast Satellite Program (CBSP) Ashore] Average unit cost may fluctuate from year-to-year due to two cost drivers: 1) Contract quantity price breaks, 2) Multiple FLV antenna configurations.  
 FLV terminals include a single and a dual antenna configuration which influences average unit cost.  
 Prior to installation, 1-2 months of integration time is required.  
  
 [(NR118) JMINI Control System] Unit cost varies due to operational requirements for capacity and varying site architecture.

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Aggregated Item Name:</b> Satellite Communications Systems
<p>[(NR555) Production Support] FY11 MINI DAMA funds are being used to finalize production support, installation, and DSA for items procured with prior year funding.</p> <p>[(NR777) FMP Installation (Ship)] Funds are being used to finalize the installation of items procured with prior year funding.</p> <p><sup>(1)</sup>[NR117 GBS JPIM Modem] - Installations funded as turnkey.</p>		

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Aggregated Item Name:</b> Satellite Communications Systems
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Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) (NR101) DAMA/MINI DAMA</b>												
†1.1) DAMA/MINI DAMA MD-1324A IW		2012	VIASAT / Carlsbad, CA	SS / FFP	SPAWAR	Jun 2012	Dec 2012	70	5.000	Y		Jan 2009
<b>2) (NR106) SHF Terminal</b>												
†2.1) SHF Terminal-AN/WSC-6(V)9		2013	Harris Corporation / Melbourne, FL	C / FFP	Fort Belvoir, VA	Dec 2012	Jun 2013	1	9,991.000	Y		Jan 2009
<b>4) (NR117) Global Broadcast Service (GBS)</b>												
†4.1) GBS - JPIM Modem		2013	VIASAT / Carlsbad, CA	SS / FFP	Fort Belvoir, VA	Jan 2013	Jul 2013	210	58.200	Y		
†4.6) GBS - Next Generation Receive Terminals (Shore) <sup>(2)</sup>		2011	Windmill International, Inc. / Nashua, NH	C / FFP	SSC-LANT	Jan 2012	Apr 2012	7	303.286	Y		
†4.6) GBS - Next Generation Receive Terminals (Shore)		2012	Windmill International, Inc. / Nashua, NH	C / FFP	SSC-LANT	Feb 2012	May 2012	7	311.429	Y		
†4.6) GBS - Next Generation Receive Terminals (Shore)		2013	Unknown / Unknown	C / FFP	Hanscom AFB	Nov 2012	Feb 2013	7	320.000	Y		Mar 2011
4.7) GBS - DECC SPLIT IP Upgrade Kit		2012	SPAWAR SYSTEM Center / ATLANTIC	Various	SSC-LANT	Dec 2011	Feb 2012	2	120.000	Y		
<b>5) (NR118) JMINI Control System</b>												
5.1) JMINI Control System-Shore <sup>(3)</sup>		2011	VIASAT / Carlsbad, CA	SS / FFP	SSC-PAC	Sep 2011	Apr 2012	2	1,777.500	Y		Jun 2010
5.1) JMINI Control System-Shore <sup>(4)</sup>		2012	VIASAT / Carlsbad, CA	SS / FFP	SSC-PAC	Feb 2012	Oct 2012	1	1,399.000	Y		Oct 2011

**Remarks:**

<sup>(2)</sup>FY11 GBS Next Generation Receive Terminal (NGRT) award date delay due to change in contract vehicle previously planned with the Air Force.

<sup>(3)</sup>FY11 JMINI unit cost varies due to operational requirements for capacity and varying site architecture.

<sup>(4)</sup>FY12 JMINI unit cost varies due to operational requirements for capacity and varying site architecture.

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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 13 **P-1 Line Item Nomenclature:** 3215 - Satellite Communications Systems **Aggregated Item Name:** Satellite Communications Systems

COST ELEMENTS Units in Each							Fiscal Year 2012													Fiscal Year 2013																
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012													Calendar Year 2013																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
1) (NR101) DAMA/MINI DAMA																																				
1.1) DAMA/MINI DAMA MD-1324A IW																																				
25		2012	NAVY	70	0	70	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	10
2) (NR106) SHF Terminal																																				
2.1) SHF Terminal-AN/WSC-6(V)9																																				
26		2013	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	1		
4) (NR117) Global Broadcast Service (GBS)																																				
4.1) GBS - JPIM Modem																																				
27		2013	NAVY	210	0	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	210		
4.6) GBS - Next Generation Receive Terminals (Shore)																																				
28		2013	NAVY	7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	4	3					
29		2011	NAVY	7	0	7	-	-	-	A	-	-	-	4	3																					
29		2012	NAVY	7	0	7	-	-	-	-	A	-	-	-	4	3																				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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**Exhibit P-21, Budget Production Schedule: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 13 **P-1 Line Item Nomenclature:** 3215 - Satellite Communications Systems **Aggregated Item Name:** Satellite Communications Systems

COST ELEMENTS Units in Each							Fiscal Year 2014												Fiscal Year 2015												
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
1) (NR101) DAMA/MINI DAMA																															
1.1) DAMA/MINI DAMA MD-1324A IW																															
	25	2012	NAVY	70	60	10	10																								
2) (NR106) SHF Terminal																															
2.1) SHF Terminal-AN/WSC-6(V)9																															
	26	2013	NAVY	1	1	0																									
4) (NR117) Global Broadcast Service (GBS)																															
4.1) GBS - JPIM Modem																															
	27	2013	NAVY	210	210	0																									
4.6) GBS - Next Generation Receive Terminals (Shore)																															
	28	2013	NAVY	7	7	0																									
	29	2011	NAVY	7	7	0																									
	29	2012	NAVY	7	7	0																									
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Aggregated Item Name:</b> Satellite Communications Systems

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	VIASAT - Carlsbad, CA	0	0	0	0	8	15	23	0	8	6	14
2	Harris Corporation - Melbourne, FL	0	0	0	0	0	6	6	0	0	0	0
3	VIASAT - Carlsbad, CA	0	0	0	0	0	6	6	0	0	0	0
4	Unknown - Unknown	0	0	0	0	11	3	14	0	2	3	5
5	Windmill International, Inc. - Nashua, NH	0	0	0	0	2	3	5	0	2	3	5

**Remarks:**  
 ‡ Delivery rows marked with the † symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13		<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems
		<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat - 1

<b>Models of Systems Affected:</b> Shore stations, ships, submarines	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	844.142	2.730	2.659	7.099	0.000	7.099	2.299	4.732	2.058	2.095	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	844.142	2.730	2.659	7.099	0.000	7.099	2.299	4.732	2.058	2.095	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	844.142	2.730	2.659	7.099	0.000	7.099	2.299	4.732	2.058	2.095	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Navy Extremely High Frequency Satellite Program (NESP) - Afloat - Provides jam resistant, low probability of intercept satellite communications and Full MILSTAR LDR Operational Capabilities (FMLOC) for shore stations, submarines and surface ships in an electromagnetic threat.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat - 1

<b>Models of Systems Affected:</b> Shore stations, ships, submarines	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
(NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat												
B Kits												
Recurring												
1.1.1) NESP Terminals - AN/USC-38(V) - Ship - NonOrganic	268	516.517	-	-	-	-	-	-	-	-	-	-
1.1.2) NESP - Cipher Text TIP Upgrade Kit - NonOrganic <sup>(5)</sup>	26	0.372	33	0.481	7	0.111	41	0.664	-	-	41	0.664
1.1.3) NESP - TIP Thin Line upgrade Kit - NonOrganic	3	0.732	2	0.498	3	0.761	7	1.814	-	-	7	1.814
<i>Subtotal Recurring</i>		517.621		0.979		0.872		2.478		0.000		2.478
<i>Total, (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat</i>	297	517.621	35	0.979	10	0.872	48	2.478	-	-	48	2.478
<i>Total, All Modifications</i>		517.621		0.979		0.872		2.478		0.000		2.478
<b>Support</b>												
2.1) Production Support	-	21.932	-	0.069	-	0.049	-	0.135	-	-	-	0.135
2.2) Other (DSA)	-	8.711	-	0.209	-	0.176	-	0.098	-	-	-	0.098
<i>Total Support Cost</i>		30.643		0.278		0.225		0.233		0.000		0.233
<i>Procurement Cost (Procurement + Support)</i>		548.264		1.257		1.097		2.711		0.000		2.711
<i>Total Installation Cost</i>		295.878		1.473		1.562		4.388		0.000		4.388
<b>Total Cost (Procurement + Support + Installation)</b>		844.142		2.730		2.659		7.099		0.000		7.099

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>Procurement</b>												
(NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat												
B Kits												
Recurring												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat - 1

<b>Models of Systems Affected:</b> Shore stations, ships, submarines	<b>Type Modification:</b> Upgrade	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1.1) NESP Terminals - AN/USC-38(V) - Ship - NonOrganic	-	-	-	-	-	-	-	-	-	-	268	516.517
1.1.2) NESP - Cipher Text TIP Upgrade Kit - NonOrganic <sup>(5)</sup>	15	0.246	35	0.590	44	0.756	44	0.770	Continuing	Continuing	Continuing	Continuing
1.1.3) NESP - TIP Thin Line upgrade Kit - NonOrganic	2	0.527	4	1.076	-	-	-	-	-	-	21	5.408
<i>Subtotal Recurring</i>		0.773		1.666		0.756		0.770		0.000		521.925
<i>Total, (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat</i>	17	0.773	39	1.666	44	0.756	44	0.770	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		0.773		1.666		0.756		0.770		0.000		0.000
<b>Support</b>												
2.1) Production Support	-	0.050	-	0.101	-	0.043	-	0.042	Continuing	Continuing	Continuing	Continuing
2.2) Other (DSA)	-	0.106	-	0.033	-	-	-	-	-	-	-	9.333
<i>Total Support Cost</i>		0.156		0.134		0.043		0.042		0.000		9.333
<i>Procurement Cost (Procurement + Support)</i>		0.929		1.800		0.799		0.812		0.000		9.333
<i>Total Installation Cost</i>		1.370		2.932		1.259		1.283		0.000		310.145
<b>Total Cost (Procurement + Support + Installation)</b>		2.299		4.732		2.058		2.095		0.000		319.478

**Remarks:**  
<sup>(5)</sup>Upgrade kits are performed in house at SPAWAR System Center PAC utilizing multiple contract vehicles to procure necessary component parts based on platform specific requirements.

<b>Manufacturer Information: (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat</b>							
Manufacturer Name: Spawar Systems Center Pacific				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 2			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010	Jan 2012	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016
Delivery Dates	Feb 2011	Mar 2012	Feb 2013	Feb 2014	Feb 2015	Feb 2016	Feb 2017
Manufacturer Name: Spawar Systems Center Pacific				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 6			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Dec 2010	Jan 2012	Dec 2012	Dec 2013	Dec 2014		

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy							<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13				<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat - 1				
<b>Models of Systems Affected:</b> Shore stations, ships, submarines			<b>Type Modification:</b> Upgrade				<b>Related RDT&amp;E PEs:</b>					
<b>Manufacturer Information:</b> (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat												
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>					
Delivery Dates	Jun 2011	Jul 2012	Jun 2013	Jun 2014	Jun 2015							
<b>Installation:</b> (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat			<b>Method of Implementation:</b> Tiger Team				<b>Installation Name:</b> NESP Terminals, Cipher Text TIP Upgrade Kits, & TIP Thin Line Updrage Kit					
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	297	295.878	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	35	1.473	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	10	1.562	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	48	4.388	0	0.000	48	4.388
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>297</b>	<b>295.878</b>	<b>35</b>	<b>1.473</b>	<b>10</b>	<b>1.562</b>	<b>48</b>	<b>4.388</b>	<b>0</b>	<b>0.000</b>	<b>48</b>	<b>4.388</b>
<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	297	295.878
FY 2011	-	-	-	-	-	-	-	-	-	-	35	1.473
FY 2012	-	-	-	-	-	-	-	-	-	-	10	1.562
FY 2013	-	-	-	-	-	-	-	-	-	-	48	4.388
FY 2014	17	1.370	-	-	-	-	-	-	-	-	17	1.370
FY 2015	-	-	39	2.932	-	-	-	-	-	-	39	2.932
FY 2016	-	-	-	-	44	1.259	-	-	-	-	44	1.259

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13		<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems
<b>Models of Systems Affected:</b> Shore stations, ships, submarines		<b>Type Modification:</b> Upgrade
<b>Related RDT&amp;E PEs:</b>		

<b>Installation:</b> (NR107) Navy Extremely High Frequency Satellite Program (NESP) - Afloat	<b>Method of Implementation:</b> Tiger Team	<b>Installation Name:</b> NESP Terminals, Cipher Text TIP Upgrade Kits, & TIP Thin Line Updrage Kit
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	44	1,283	-	-	44	1,283
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	17	1,370	39	2,932	44	1,259	44	1,283	-	-	534	310,145

Installation Schedule																															
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	297	-	-	30	5	-	-	7	3	-	-	30	18	-	-	15	2	-	-	30	9	-	-	30	14	-	-	30	14	-	534
Out	297	-	-	-	32	3	-	-	7	3	-	-	30	18	-	-	15	2	-	-	30	9	-	-	30	14	-	-	30	14	534

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> (NR112) Commercial Broadband Satellite program (CBSP) - Afloat - 2

<b>Models of Systems Affected:</b> Submarines, ships		<b>Type Modification:</b> upgrade					<b>Related RDT&amp;E PEs:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	76.922	7.757	13.968	17.051	0.000	17.051	16.832	19.309	21.354	26.528	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	76.922	7.757	13.968	17.051	0.000	17.051	16.832	19.309	21.354	26.528	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>76.922</b>	<b>7.757</b>	<b>13.968</b>	<b>17.051</b>	<b>0.000</b>	<b>17.051</b>	<b>16.832</b>	<b>19.309</b>	<b>21.354</b>	<b>26.528</b>	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Commercial Broadband Satellite Program (CBSP) - Afloat - Provides commercial wideband SATCOM terminals supporting capabilities such as Automated Digital Multiplexing System (ADMS), telemedicine, official and unofficial phones, public affairs officer information, imagery, and Meteorology and Oceanography Command (METOC) communications.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): (NR112) Commercial Broadband Satellite program (CBSP) - Afloat - 2

<b>Models of Systems Affected:</b> Submarines, ships	<b>Type Modification:</b> upgrade	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
(NR112) Commercial Broadband Satellite program (CBSP) - Afloat												
B Kits												
Recurring												
1.1.1) Small Ship Variant (SSV) - NonOrganic	27	4.290	-	-	-	-	-	-	-	-	-	-
1.1.2) Unit Level Variant (ULV) - NonOrganic <sup>(6)</sup>	30	28.482	-	-	-	-	-	-	-	-	-	-
1.1.3) Force Level Variant (FLV) - NonOrganic <sup>(7)</sup>	3	6.877	-	-	6	8.147	6	7.458	-	-	6	7.458
<i>Subtotal Recurring</i>		39.649		0.000		8.147		7.458		0.000		7.458
<i>Total, (NR112) Commercial Broadband Satellite program (CBSP) - Afloat</i>	60	39.649	-	-	6	8.147	6	7.458	-	-	6	7.458
<i>Total, All Modifications</i>		39.649		0.000		8.147		7.458		0.000		7.458
<b>Support</b>												
2.1) Training Equipment	-	0.304	-	-	-	-	-	-	-	-	-	-
2.2) Engineering Change Orders	-	0.648	-	-	-	-	-	-	-	-	-	-
2.3) Production Support	-	4.426	-	-	-	0.525	-	0.415	-	-	-	0.415
2.4) Other (DSA)	-	5.606	-	2.548	-	1.774	-	0.752	-	-	-	0.752
<i>Total Support Cost</i>		10.984		2.548		2.299		1.167		0.000		1.167
<i>Procurement Cost (Procurement + Support)</i>		50.633		2.548		10.446		8.625		0.000		8.625
<i>Total Installation Cost</i>		26.289		5.209		3.522		8.426		0.000		8.426
<b>Total Cost (Procurement + Support + Installation)</b>		76.922		7.757		13.968		17.051		0.000		17.051

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
(NR112) Commercial Broadband Satellite program (CBSP) - Afloat												
B Kits												
Recurring												
1.1.1) Small Ship Variant (SSV) - NonOrganic	-	-	-	-	-	-	-	-	-	-	27	4.290

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): (NR112) Commercial Broadband Satellite program (CBSP) - Afloat - 2

<b>Models of Systems Affected:</b> Submarines, ships	<b>Type Modification:</b> upgrade	<b>Related RDT&amp;E PEs:</b>
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1.1.2) Unit Level Variant (ULV) - NonOrganic <sup>(6)</sup>	-	-	2	5.340	13	9.386	21	13.566	Continuing	Continuing	Continuing	Continuing
1.1.3) Force Level Variant (FLV) - NonOrganic <sup>(7)</sup>	7	9.360	3	7.388	-	-	-	-	-	-	25	39.230
<i>Subtotal Recurring</i>		9.360		12.728		9.386		13.566		0.000		43.520
<i>Total, (NR112) Commercial Broadband Satellite program (CBSP) - Afloat</i>	7	9.360	5	12.728	13	9.386	21	13.566	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		9.360		12.728		9.386		13.566		0.000		0.000
<b>Support</b>												
2.1) Training Equipment	-	-	-	-	-	-	-	-	-	-	-	0.304
2.2) Engineering Change Orders	-	-	-	-	-	-	-	-	-	-	-	0.648
2.3) Production Support	-	0.538	-	0.754	-	0.528	-	0.783	Continuing	Continuing	Continuing	Continuing
2.4) Other (DSA)	-	0.686	-	2.054	-	2.980	-	1.394	Continuing	Continuing	Continuing	Continuing
<i>Total Support Cost</i>		1.224		2.808		3.508		2.177		0.000		0.952
<i>Procurement Cost (Procurement + Support)</i>		10.584		15.536		12.894		15.743		0.000		0.952
<i>Total Installation Cost</i>		6.248		3.773		8.460		10.785		0.000		72.712
<b>Total Cost (Procurement + Support + Installation)</b>		16.832		19.309		21.354		26.528		0.000		73.664

**Remarks:**  
<sup>(6)</sup>FY15 terminal hardware unit costs incorporate the Global Positioning System engineering change for afloat units  
<sup>(7)</sup>(2)FLV terminals include a single and a dual antenna configuration which influences average unit cost.  
(2)FY12 installation of Prior Year Equipment is a result of additional funds reprogrammed during FY10 Execution Year to reduce reliance on INMARSAT and to support Post Shakedown Availability.  
(2)Prior to installation, 1-2 months of integration time is required.

**Manufacturer Information: (NR112) Commercial Broadband Satellite program (CBSP) - Afloat**

Manufacturer Name: Harris Corp.	Manufacturer Location: Palm Beach, FL
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 6

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Jan 2012	Dec 2012	Dec 2013	Dec 2014	Dec 2015	Dec 2016
Delivery Dates		Jul 2012	Jun 2013	Jun 2014	Jun 2015	Jun 2016	Jun 2017



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): (NR112) Commercial Broadband Satellite program (CBSP) - Afloat - 2

<b>Models of Systems Affected:</b> Submarines, ships	<b>Type Modification:</b> upgrade	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> (NR112) Commercial Broadband Satellite program (CBSP) - Afloat	<b>Method of Implementation:</b> Tiger Team	<b>Installation Name:</b> Small Ship Variant (SSV), Unit Level Variant (ULV) and Force Level Variant (FLV) Installs
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	49	26.289	7	5.209	4	3.522	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	6	4.596	0	0.000	6	4.596
FY 2013	-	-	-	-	-	-	5	3.830	0	0.000	5	3.830
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>49</b>	<b>26.289</b>	<b>7</b>	<b>5.209</b>	<b>4</b>	<b>3.522</b>	<b>11</b>	<b>8.426</b>	<b>0</b>	<b>0.000</b>	<b>11</b>	<b>8.426</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	60	35.020
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	6	4.596
FY 2013	1	0.781	-	-	-	-	-	-	-	-	6	4.611
FY 2014	7	5.467	-	-	-	-	-	-	-	-	7	5.467
FY 2015	-	-	5	3.773	-	-	-	-	-	-	5	3.773
FY 2016	-	-	-	-	12	8.460	1	0.719	-	-	13	9.179
FY 2017	-	-	-	-	-	-	14	10.066	7	0.000	21	10.066
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>8</b>	<b>6.248</b>	<b>5</b>	<b>3.773</b>	<b>12</b>	<b>8.460</b>	<b>15</b>	<b>10.785</b>	<b>7</b>	<b>0.000</b>	<b>118</b>	<b>72.712</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3215 - Satellite Communications Systems	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> (NR112) Commercial Broadband Satellite program (CBSP) - Afloat - 2

<b>Models of Systems Affected:</b> Submarines, ships	<b>Type Modification:</b> upgrade	<b>Related RDT&amp;E PEs:</b>
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<b>Installation:</b> (NR112) Commercial Broadband Satellite program (CBSP) - Afloat	<b>Method of Implementation:</b> Tiger Team	<b>Installation Name:</b> Small Ship Variant (SSV), Unit Level Variant (ULV) and Force Level Variant (FLV) Installs
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<b>Installation Schedule</b>																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	49	7	-	-	-	4	-	-	-	2	4	-	5	1	-	-	7	-	-	-	5	-	-	-	12	1	-	-	14	7	118
Out	49	-	7	-	-	-	4	-	-	-	2	4	-	5	1	-	-	7	-	-	-	5	-	-	-	12	1	-	-	21	118

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 13 : Satellite Communications

**P-1 Line Item Nomenclature:**  
3216 - Navy Multiband Terminal (NMT)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	61.613	111.547	107.242	184.825	-	184.825	217.101	289.030	117.094	56.991	91.667	1,237.110
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	61.613	111.547	107.242	184.825	-	184.825	217.101	289.030	117.094	56.991	91.667	1,237.110
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	61.613	111.547	107.242	184.825	-	184.825	217.101	289.030	117.094	56.991	91.667	1,237.110

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	1.182	1.192	1.300	-	1.300	1.594	2.154	1.325	0.425	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Navy Multiband Terminal (NMT) System provides funds for procurement of ship, submarine, and shore protected and wideband Military Satellite Communications (MILSATCOM) terminals via earth orbiting relay satellites in the Super High Frequency, Ka, and Extremely High Frequency (EHF) bands. The NMT provides warfighters with the assured, jam resistant, secure SATCOM for message traffic, data transfer and secure voice communications. These procurements are scheduled to meet the satellite communications requirements established by the Chief of Naval Operations in the Fleet Communications Planning and Programming documents.

NAVY MULTIBAND TERMINAL (NMT - NS108): The NMT program is the next generation maritime military satellite communications terminal. The NMT Program is the required Navy component to the Advanced Extremely High Frequency (AEHF) Program for enhancing protected and survivable satellite communications to Naval forces. NMT multiband communication capabilities will communicate two way Ka-Band on Wideband Global SATCOM (WGS) and shipboard and submarine terminals to communicate with X-Band using the Defense Satellite Communications System and WGS. NMT is compatible with today's Navy Low Data Rate/Medium Data Rate terminals, X-Band terminals and will sustain the MILSATCOM architecture by providing connectivity across the spectrum of mission areas, to include land, air and naval warfare, special operations, strategic nuclear operations, strategic defense, theater missile defense, and space operations and intelligence. The NMT system will replenish and improve on the capabilities of both the Military Strategic and Tactical Relay System (MILSTAR) system and WGS system by equipping the warfighters with the assured, jam resistant, secure communications as described in the Operational Requirements Document (Wideband Gapfiller System ORD, AFSPC ORD 004-99, May 3, 2000) for the joint AEHF Satellite Communications and WGS System.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
3216 Navy Multiband Terminal (NMT) - Afloat - 1	P3A		-	-	54.453	-	-	98.805	-	-	96.383	-	-	169.304	-	-	0.000	-	-	169.304
3216 Navy Multiband Terminal (NMT) - Ashore - 2	P3A		-	-	7.160	-	-	12.742	-	-	10.859	-	-	15.521	-	-	0.000	-	-	15.521

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 13 : Satellite Communications	<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Total Gross/Weapon System Cost</b>					61.613			111.547			107.242			184.825			-			184.825

		FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
3216 Navy Multiband Terminal (NMT) - Afloat - 1	P3A		-	-	198.485	-	-	257.648	-	-	94.001	-	-	45.233	-	-	80.006	-	-	1,094.318
3216 Navy Multiband Terminal (NMT) - Ashore - 2	P3A		-	-	18.616	-	-	31.382	-	-	23.093	-	-	11.758	-	-	11.661	-	-	142.792
<b>Total Gross/Weapon System Cost</b>					217.101			289.030			117.094			56.991			91.667			1,237.110

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 FY13 continues the procurement of full multi-band terminals which includes both X/Ka and Q/Ka capability, as well as backfits of the X/Ka capability on ship terminals procured in FY10-11. FY13 also incorporates the Advanced EHF Time Division Multiple Access Interface Processor capability.

ID Code "B" applicable to FY12 NS108 funding.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 3216 Navy Multiband Terminal (NMT) - Afloat - 1

<b>Models of Systems Affected:</b> Shore stations,ships, submarines	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	54.453	98.805	96.383	169.304	0.000	169.304	198.485	257.648	94.001	45.233	80.006	1,094.318
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	54.453	98.805	96.383	169.304	0.000	169.304	198.485	257.648	94.001	45.233	80.006	1,094.318
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>54.453</b>	<b>98.805</b>	<b>96.383</b>	<b>169.304</b>	<b>0.000</b>	<b>169.304</b>	<b>198.485</b>	<b>257.648</b>	<b>94.001</b>	<b>45.233</b>	<b>80.006</b>	<b>1,094.318</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[Afloat Ship] Provides jam resistant, low probability of interception and detection for protected extended data rate communications with AEHF capability.

[Afloat Sub] Provides jam resistant, low probability of interception and detection for protected extended data rate communications with AEHF capability.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 3216 Navy Multiband Terminal (NMT) - Afloat - 1

<b>Models of Systems Affected:</b> Shore stations,ships, submarines	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
3216 Navy Multiband Terminal (NMT) - Afloat												
B Kits												
Recurring												
1.1.1) Afloat Ship - NonOrganic <sup>(1)</sup>	19	40.426	29	62.931	14	45.753	20	91.781	-	-	20	91.781
1.1.2) Afloat Sub - NonOrganic	9	5.519	17	13.305	10	9.084	9	9.775	-	-	9	9.775
1.1.3) Production Support - Ship - NonOrganic	-	3.470	-	3.147	-	0.886	-	1.801	-	-	-	1.801
1.1.4) Production Support - Sub - NonOrganic	-	0.506	-	0.665	-	0.283	-	0.655	-	-	-	0.655
1.1.5) Other DSA - Ship - NonOrganic	-	2.423	-	3.748	-	5.364	-	4.553	-	-	-	4.553
1.1.6) Other DSA - Sub - NonOrganic	-	2.109	-	1.318	-	1.969	-	0.766	-	-	-	0.766
<i>Subtotal Recurring</i>		54.453		85.114		63.339		109.331		0.000		109.331
<i>Total, 3216 Navy Multiband Terminal (NMT) - Afloat</i>	28	54.453	46	85.114	24	63.339	29	109.331	-	-	29	109.331
<i>Total, All Modifications</i>		54.453		85.114		63.339		109.331		0.000		109.331
<i>Procurement Cost (Procurement + Support)</i>		54.453		85.114		63.339		109.331		0.000		109.331
<i>Total Installation Cost</i>		0.000		13.691		33.044		59.973		0.000		59.973
<b>Total Cost (Procurement + Support + Installation)</b>		54.453		98.805		96.383		169.304		0.000		169.304

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
3216 Navy Multiband Terminal (NMT) - Afloat												
B Kits												
Recurring												
1.1.1) Afloat Ship - NonOrganic <sup>(1)</sup>	22	95.997	22	124.958	5	29.047	-	-	-	-	131	490.893
1.1.2) Afloat Sub - NonOrganic	18	20.168	6	8.179	5	8.809	-	-	-	-	74	74.839
1.1.3) Production Support - Ship - NonOrganic	-	0.957	-	0.956	-	0.932	-	1.431	-	0.716	-	14.296

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 3216 Navy Multiband Terminal (NMT) - Afloat - 1

<b>Models of Systems Affected:</b> Shore stations,ships, submarines	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
1.1.4) Production Support - Sub - NonOrganic	-	0.783	-	0.215	-	0.521	-	0.931	-	0.466	-	5.025
1.1.5) Other DSA - Ship - NonOrganic	-	4.971	-	2.548	-	3.858	-	6.142	-	1.992	-	35.599
1.1.6) Other DSA - Sub - NonOrganic	-	0.316	-	0.643	-	0.584	-	0.595	-	0.435	-	8.735
<i>Subtotal Recurring</i>		123.192		137.499		43.751		9.099		3.609		629.387
<i>Total, 3216 Navy Multiband Terminal (NMT) - Afloat</i>	40	123.192	28	137.499	10	43.751	-	9.099	-	3.609	205	629.387
<i>Total, All Modifications</i>		123.192		137.499		43.751		9.099		3.609		629.387
<i>Procurement Cost (Procurement + Support)</i>		123.192		137.499		43.751		9.099		3.609		629.387
<i>Total Installation Cost</i>		75.293		120.149		50.250		36.134		76.397		464.931
<b>Total Cost (Procurement + Support + Installation)</b>		<b>198.485</b>		<b>257.648</b>		<b>94.001</b>		<b>45.233</b>		<b>80.006</b>		<b>1,094.318</b>

**Remarks:**

- (1) 1. Unit cost within ship/sub/shore variants will vary due to the antenna configurations by platform. There are 8 antenna configurations for ships and 2 for shore. Sub configurations consist of terminals only. Unit cost by configuration is also determined by contract quantity pricing at the total order level (ship/sub/shore).
2. FY12 procurements begin incorporation of the X/Ka capability. Unit cost increases due to this additional capability as well as a premium for a lower total quantity buy (over the previous FY).
3. FY13 procurements include backfits of the X/Ka capability on ship terminals procured in FY10-11 as well as incorporates the Advanced Extremely High Frequency Time Division Multiple Access Interface Processor (TDMA) capability. The net effect on unit cost is an overall increase due to the additional cost of the backfit and TDMA capability outweighing the benefits of the quantity discount (over the previous FY).
4. Prior to installation, 1-2 months of integration time is required at echelon three activities.
5. First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.
6. Due to MS C and contract award schedule, the FY11 installation funding will carryover into FY12.

**Manufacturer Information: 3216 Navy Multiband Terminal (NMT) - Afloat**

Manufacturer Name: Raytheon	Manufacturer Location: Marlborough, MA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 15

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Mar 2011	Jan 2012	Jan 2013				
Delivery Dates	Jun 2012	Apr 2013	Apr 2014				

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13		<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)
<b>Models of Systems Affected:</b> Shore stations,ships, submarines		<b>Modification Nomenclature (Modification Title, Modification Number):</b> 3216 Navy Multiband Terminal (NMT) - Afloat - 1
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0303109N

<b>Installation:</b> 3216 Navy Multiband Terminal (NMT) - Afloat			<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Navy Multiband Terminal (NMT) - Afloat					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	15	13.691	13	15.594	-	-	-	-	-	-
FY 2011	-	-	-	-	18	17.450	28	40.600	0	0.000	28	40.600
FY 2012	-	-	-	-	-	-	16	19.373	0	0.000	16	19.373
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	15	13.691	31	33.044	44	59.973	0	0.000	44	59.973

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	28	29.285
FY 2011	-	-	-	-	-	-	-	-	-	-	46	58.050
FY 2012	8	31.111	-	-	-	-	-	-	-	-	24	50.484
FY 2013	13	44.182	16	52.266	-	-	-	-	-	-	29	96.448
FY 2014	-	-	28	67.883	12	50.250	-	-	-	-	40	118.133
FY 2015	-	-	-	-	-	-	12	36.134	16	50.107	28	86.241
FY 2016	-	-	-	-	-	-	-	-	10	26.290	10	26.290
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	21	75.293	44	120.149	12	50.250	12	36.134	26	76.397	205	464.931



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 3216 Navy Multiband Terminal (NMT) - Afloat - 1
<b>Models of Systems Affected:</b> Shore stations,ships, submarines	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303109N

<b>Installation:</b> 3216 Navy Multiband Terminal (NMT) - Afloat	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Navy Multiband Terminal (NMT) - Afloat
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Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	1	6	2	7	6	23	17	16	10	6	6	5	6	16	9	9	10	12	-	-	-	12	-	-	26	205
Out	-	-	-	-	-	-	1	6	2	7	6	23	17	16	10	6	6	5	6	16	9	9	10	12	-	-	-	12	-	26	205

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> 3216 Navy Multiband Terminal (NMT) - Ashore - 2

<b>Models of Systems Affected:</b> Shore stations, ships, submarines	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303109N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.160	12.742	10.859	15.521	0.000	15.521	18.616	31.382	23.093	11.758	11.661	142.792
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	7.160	12.742	10.859	15.521	0.000	15.521	18.616	31.382	23.093	11.758	11.661	142.792
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>7.160</b>	<b>12.742</b>	<b>10.859</b>	<b>15.521</b>	<b>0.000</b>	<b>15.521</b>	<b>18.616</b>	<b>31.382</b>	<b>23.093</b>	<b>11.758</b>	<b>11.661</b>	<b>142.792</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[Ashore] Provides jam resistant, low probability of interception and detection for protected extended data rate communications with AEHF capability.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 3216 Navy Multiband Terminal (NMT) - Ashore - 2

<b>Models of Systems Affected:</b> Shore stations, ships, submarines	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
3216 Navy Multiband Terminal (NMT) - Ashore												
B Kits												
Recurring												
1.1.1) Ashore - NonOrganic (2)	5	6.968	8	11.172	2	1.823	10	13.526	-	-	10	13.526
1.1.2) Production Support - Ashore - Organic	-	0.192	-	0.670	-	0.127	-	0.728	-	-	-	0.728
1.1.3) Other DSA - Ashore - Organic	-	-	-	0.075	-	0.810	-	0.115	-	-	-	0.115
<i>Subtotal Recurring</i>		7.160		11.917		2.760		14.369		0.000		14.369
<i>Total, 3216 Navy Multiband Terminal (NMT) - Ashore</i>	5	7.160	8	11.917	2	2.760	10	14.369	-	-	10	14.369
<i>Total, All Modifications</i>		7.160		11.917		2.760		14.369		0.000		14.369
<i>Procurement Cost (Procurement + Support)</i>		7.160		11.917		2.760		14.369		0.000		14.369
<i>Total Installation Cost</i>		0.000		0.825		8.099		1.152		0.000		1.152
<b>Total Cost (Procurement + Support + Installation)</b>		7.160		12.742		10.859		15.521		0.000		15.521

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
3216 Navy Multiband Terminal (NMT) - Ashore												
B Kits												
Recurring												
1.1.1) Ashore - NonOrganic (2)	5	9.361	10	21.409	5	13.010	-	-	-	-	45	77.269
1.1.2) Production Support - Ashore - Organic	-	0.218	-	0.526	-	0.932	-	1.631	-	0.816	-	5.840
1.1.3) Other DSA - Ashore - Organic	-	0.822	-	0.859	-	0.832	-	0.921	-	0.904	-	5.338
<i>Subtotal Recurring</i>		10.401		22.794		14.774		2.552		1.720		88.447
<i>Total, 3216 Navy Multiband Terminal (NMT) - Ashore</i>	5	10.401	10	22.794	5	14.774	-	2.552	-	1.720	45	88.447
<i>Total, All Modifications</i>		10.401		22.794		14.774		2.552		1.720		88.447

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): 3216 Navy Multiband Terminal (NMT) - Ashore - 2

<b>Models of Systems Affected:</b> Shore stations, ships, submarines	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303109N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Procurement Cost (Procurement + Support)</i>		10.401		22.794		14.774		2.552		1.720		88.447
<i>Total Installation Cost</i>		8.215		8.588		8.319		9.206		9.941		54.345
<b>Total Cost (Procurement + Support + Installation)</b>		18.616		31.382		23.093		11.758		11.661		142.792

- Remarks:**
- (2)1. Unit cost within ship/sub/shore variants will vary due to the antenna configurations by platform. There are 8 antenna configurations for ships and 2 for shore. Sub configurations consist of terminals only. Unit cost by configuration is also determined by contract quantity pricing of the total quantity order (ship/sub/shore).
  2. FY13 procurements incorporate the Advanced Extremely High Frequency Time Division Multiple Access (TDMA) Interface Processor capability. The net effect on unit cost is an overall increase (over the previous FY) due to the additional cost of this capability outweighing the benefits of the quantity discount.
  3. Prior to installation, 1-2 months of integration time is required at echelon three activities.
  4. Due to MS C and contract award schedule, the FY11 installation funding will carryover into FY12.

<b>Manufacturer Information: 3216 Navy Multiband Terminal (NMT) - Ashore</b>							
Manufacturer Name: Raytheon				Manufacturer Location: Marlborough, MA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 15			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Mar 2011	Jan 2012	Jan 2013				
Delivery Dates	Jun 2011	Apr 2013	Apr 2014				

<b>Installation:</b> 3216 Navy Multiband Terminal (NMT) - Ashore			<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Navy Multiband Terminal (NMT) - Ashore					
Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	1	0.825	4	2.700	-	-	-	-	-	-
FY 2011	-	-	-	-	8	5.399	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	2	1.152	0	0.000	2	1.152
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 13		<b>P-1 Line Item Nomenclature:</b> 3216 - Navy Multiband Terminal (NMT)
<b>Models of Systems Affected:</b> Shore stations, ships, submarines		<b>Modification Nomenclature (Modification Title, Modification Number):</b> 3216 Navy Multiband Terminal (NMT) - Ashore - 2
<b>Type Modification:</b> [No Modification Type Specified]		<b>Related RDT&amp;E PEs:</b> 0303109N

<b>Installation:</b> 3216 Navy Multiband Terminal (NMT) - Ashore	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Navy Multiband Terminal (NMT) - Ashore										
<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	1	0.825	12	8.099	2	1.152	0	0.000	2	1.152

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	5	3.525
FY 2011	-	-	-	-	-	-	-	-	-	-	8	5.399
FY 2012	-	-	-	-	-	-	-	-	-	-	2	1.152
FY 2013	8	8.215	2	2.454	-	-	-	-	-	-	10	10.669
FY 2014	-	-	5	6.134	-	-	-	-	-	-	5	6.134
FY 2015	-	-	-	-	5	8.319	5	9.206	-	-	10	17.525
FY 2016	-	-	-	-	-	-	-	-	5	9.941	5	9.941
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	8	8.215	7	8.588	5	8.319	5	9.206	5	9.941	45	54.345

<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>					
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	<b>TC</b>	<b>Tot</b>
In	-	-	-	-	-	1	4	4	4	-	-	2	-	-	-	4	4	-	2	2	3	-	-	2	3	-	2	3	-	5	45
Out	-	-	-	-	-	-	1	4	4	4	-	-	2	-	-	-	4	4	-	2	2	3	-	-	2	3	-	2	3	5	45

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 14 : Shore Communications

**P-1 Line Item Nomenclature:**  
3302 - JCS Communications Equipment

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	2.244	2.186	2.180	-	2.180	2.194	2.209	2.171	2.211	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	2.244	2.186	2.180	-	2.180	2.194	2.209	2.171	2.211	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	2.244	2.186	2.180	-	2.180	2.194	2.209	2.171	2.211	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This line funds the Department of the Navy's portion of the Joint Communications Support Element Program. This program is jointly funded by Army, Navy, Marine Corps and Air Force in support of Joint Tactical Force and Joint Special Operations Task Force Headquarters.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
JCS Communications Equipment (See enclosed P-40A)	P40A				-			2.244			2.186			2.180			-			2.180
<b>Total Gross/Weapon System Cost</b>					-			2.244			2.186			2.180			-			2.180

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

Funds procure various communications equipment to include the following: Commercial-Off-the-Shelf small aperture / Wide-band High Data Rate satellite terminals / Ultra High Frequency Next Generation satellite systems / Multi-band spread spectrum Line of Sight transmission systems / Communication, Command, Control and Computers extension package upgrades / Voice Over Internet Protocol, Voice Over Secure Internet Protocol and Everything Over Internet Protocol network data equipment / Defense Message System Tactical / Joint Worldwide Intelligence Communication Systems / Communications Security Secure Telephone Equipment / Network COMSEC KG-250s, KG-21, SECNET 64 Wireless Type 1 / personal communications systems to provide seamless integration of commercial cellular service to the tactical network / manpack multi-mode multi-band radios for the quick reaction element / Commercial-Off-the-Shelf Theater Deployable Communications switch upgrades / Wide Area Network Access for Global Information Grid Next Generation multi-media / Broad Band Campus with Information Assurance suites / Global Broadcast System (GBS) Time Division Multiple Access Interface Processor / GBS receive suite upgrades / Video Teleconferencing upgrades.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 14 **P-1 Line Item Nomenclature:** 3302 - JCS Communications Equipment **Aggregated Item Name:** JCS Communications Equipment

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) Joint Communication Support Element Modernization</b>																			
1.1) Joint Communication Support Element Modernization <sup>(1)</sup>	A	-	-	-	-	-	2.244	-	-	2.186	-	-	2.180	-	-	-	-	-	2.180
<i>Subtotal 1) Joint Communication Support Element Modernization</i>				0.000			2.244			2.186			2.180			0.000			2.180
<b>Total</b>				<b>0.000</b>			<b>2.244</b>			<b>2.186</b>			<b>2.180</b>			<b>0.000</b>			<b>2.180</b>

**Remarks:**  
<sup>(1)</sup>Quantities are not shown. Quantities and equipment type are determined by the Services on an annual basis based on Joint Task Force and Joint Special Operations Task Force operational requirements for critical communications.



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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 14 : Shore Communications **P-1 Line Item Nomenclature:**  
3303 - Electrical Power Systems

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	1.302	1.329	1.354	-	1.354	1.378	1.404	1.429	1.453	0.000	9.649
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	1.302	1.329	1.354	-	1.354	1.378	1.404	1.429	1.453	0.000	9.649
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	1.302	1.329	1.354	-	1.354	1.378	1.404	1.429	1.453	0.000	9.649

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

C3303 - ELECTRICAL POWER SYSTEMS: Procure, install, replace generators and UPS systems. The Electrical Power Program is designed to provide highly reliable, continuous, high quality power subsystems to support Navy Cyber Forces. Basic deficiencies in current power sources, coupled with recent telecommunication system trends toward sophisticated, highly reliable, high speed, continuous accurate systems (e.g., various High Frequency, Low Frequency, Very Low Frequency Facilities), necessitate a continuing program to upgrade power systems. The Navy Cyber Forces Electrical Power Plan provides the necessary requirements. In CONUS and overseas, where commercial power is available in sufficient quantity, it is utilized as the base system, even though its overall quality may be poor. Because these commercial systems are continually susceptible to blackout and various other types of power perturbations, suitable quick-start emergency power generators must be available to support operational loads. Some of the operational load is designated as "critical" and requires Uninterruptible Power Supply Systems for instantaneous application in case of loss or disturbance of the primary power source.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Electrical Power Systems (See enclosed P-40A)	P40A, P5A				0.000			1.302			1.329			1.354			0.000			1.354
<b>Total Gross/Weapon System Cost</b>				-			<b>1.302</b>			<b>1.329</b>			<b>1.354</b>			-			<b>1.354</b>	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 14 **P-1 Line Item Nomenclature:** 3303 - Electrical Power Systems **Aggregated Item Name:** Electrical Power Systems

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<b>1) Electrical Power Systems (Fleet Forces Command)</b>																			
† 1.1) Replace UPS Systems, Comm Facility Jacksonville	A	-	-	-	0.497	1	0.497	-	-	-	-	-	-	-	-	-	-	-	-
† 1.2) Replace UPS System, NCTS Guam	A	-	-	-	0.805	1	0.805	-	-	-	-	-	-	-	-	-	-	-	-
† 1.3) Procure & Install Generators - NRTF Dixon	A	-	-	-	-	-	-	1.329	1	1.329	-	-	-	-	-	-	-	-	-
† 1.4) Procure & Install Generators - NRTF Grindavik	A	-	-	-	-	-	-	-	-	-	1.354	1	1.354	-	-	-	1.354	1	1.354
1.5) Procure & Install Generators - NRTF Bahrain	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) Replace UPS System, NCTS Bahrain	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) Replace UPS & Generator, NCTAMSLANT	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) Replace UPS & Generator, Comm Facility Jacksonville	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) Electrical Power Systems (Fleet Forces Command)</i>				0.000			1.302			1.329			1.354			0.000			1.354
<b>Total</b>				<b>0.000</b>			<b>1.302</b>			<b>1.329</b>			<b>1.354</b>			<b>0.000</b>			<b>1.354</b>

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 14	<b>P-1 Line Item Nomenclature:</b> 3303 - Electrical Power Systems	<b>Aggregated Item Name:</b> Electrical Power Systems
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ M)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) Electrical Power Systems (Fleet Forces Command)</b>												
1.1) Replace UPS Systems, Comm Facility Jacksonville		2011	Titus Inc., 10620 Riggs Hill Rd, Unit B / Jessup, MD 20784	C / FP	\$PAWARSYSCEN Charleston, SC	Aug 2011	Dec 2011	1	0.497	Y		
1.2) Replace UPS System, NCTS Guam		2011	Titus Inc., 10620 Riggs Hill Rd, Unit B / Jessup, MD 20784	C / FP	\$PAWARSYSCEN Charleston, SC	Aug 2011	Dec 2011	1	0.805	N		
1.3) Procure & Install Generators - NRTF Dixon		2012	Titus Inc., 10620 Riggs Hill Rd, Unit B / Jessup, MD 20784	C / FP	\$PAWARSYSCEN Charleston, SC	Apr 2012	Jul 2012	1	1.329	N		
1.4) Procure & Install Generators - NRTF Grindavik		2013	Titus Inc., 10620 Riggs Hill Rd, Unit B / Jessup, MD 20784	C / FP	\$PAWARSYSCEN Charleston, SC	Apr 2013	Jul 2013	1	1.354	N		

**Remarks:**

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 14 : Shore Communications

**P-1 Line Item Nomenclature:**  
3368 - Naval Shore Communications

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					To Complete	Total	
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017				
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	-	3.404	2.418	-	-	-	-	-	-	-	-	-	0.000	5.822
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	3.404	2.418	-	-	-	-	-	-	-	-	-	0.000	5.822
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	3.404	2.418	-	-	-	-	-	-	-	-	-	0.000	5.822

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Naval Shore Communications program procures, installs and sustains the Defense Message System (DMS), and Legacy Messaging System in support of Nuclear Command, Control & Communications.

[P40A / Defense Messaging Systems (DMS) Equipment (D6001)]: DMS is the Department of Defense -mandated Joint organizational messaging program. DMS implements the high assurance requirements of the Multicommand Required Operational Capability (MROC) 3-88 change 2 dated 1 Oct 1997. DMS is an integrated suite of Commercial Off-The-Shelf based applications that provide delivery of organizational messages on the Defense Information Systems Network (DISN) for strategic (ashore) and tactical (afloat) interoperability. Defense Information Systems Agency (DISA) is the DMS lead agency and provides integration, configuration management, and certification of DMS product upgrades as well as backbone operations and help desk services. Implementation and sustainment of operational sites is executed by the individual Services/Agencies. The Joint DMS program has reached Full Operational Capability and is in the sustainment phase and due to go End of Life in FY13.

The USN DMS program provided the procurement, engineering, integration and installation necessary to upgrade/refresh all United States Navy and select United States Marine Corp components at the messaging control centers (aka DMS Service Providers), and remaining Legacy transitional messaging systems (CUDIXS, FMX , Nova, NIXT). Upgraded DMS components to ensure end-to-end, joint interoperable messaging capabilities for all Naval activities. DMS Hardware/Software components included shore tactical gateway message processing systems, secure access management systems, and the web-based Navy Regional Enterprise Messaging System (NREMS). Funding provided for the procurement, engineering, integration and installation of interoperable systems to support the future of Command & Control Official Information Exchange (C2OIX). Specific configurations implemented at individual sites varied to such a degree that aggregate quantities (and unit costs) are not applicable and would be misleading.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Naval Shore Communications (See enclosed P-40A)	P40A, P5A				0.000			3.404			2.418			0.000			0.000			0.000

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 14 : Shore Communications	<b>P-1 Line Item Nomenclature:</b> 3368 - Naval Shore Communications
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Item Schedule			Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Total Gross/Weapon System Cost</b>					-			3.404			2.418			-			-			-

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
 DMS is a DoD-mandated, Joint program, managed by DISA and executed by the individual Services/Agencies. FY12 funding provided for the procurement, engineering, integration and installation of DMS security products to include NREMS, Tech Refresh and Certificate Authority Workstations, and associated Fortezza cards, which create, initialize, program, distribute the Security Tokens, and provided certificate management infrastructure. The NREMS Tech Refresh in FY12 will position the Navy for transition to C2OIX.

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 14 **P-1 Line Item Nomenclature:** 3368 - Naval Shore Communications **Aggregated Item Name:** Naval Shore Communications

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) (D6001) Defense Messaging System (DMS)</b>																			
† 1.1) Defense Messaging Systems (DMS) Equipment (D6001) <sup>(1)</sup>	A	-	-	-	705.333	3	2.116	520.667	3	1.562	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) (D6001) Defense Messaging System (DMS)</i>				0.000			2.116			1.562			0.000			0.000			0.000
<b>2) (D6555) Production Support</b>																			
2.1) Defense Messaging Systems (DMS) Production Support	A	-	-	-	-	-	0.122	-	-	0.083	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) (D6555) Production Support</i>				0.000			0.122			0.083			0.000			0.000			0.000
<b>3) (D6776) Non-FMP Installation</b>																			
3.1) Defense Messaging Systems Non-FMP Installation <sup>(2)</sup>	A	-	-	-	-	-	1.166	-	-	0.773	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) (D6776) Non-FMP Installation</i>				0.000			1.166			0.773			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>3.404</b>			<b>2.418</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**  
<sup>(1)</sup>FY11-12 quantity indicates number of suites, not actual hardware systems and unit cost fluctuation is due to virtualization at 3 suites which reduces the number of hardware components required.  
 FY12 Funding provides for the procurement, engineering, integration and installation of interoperable systems to support the future of Command & Control Official Information Exchange (C2OIX).  
<sup>(2)</sup>FY12 Funding provides for the procurement, engineering, integration and installation of interoperable systems to support the future of Command & Control Official Information Exchange (C2OIX).

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 14	<b>P-1 Line Item Nomenclature:</b> 3368 - Naval Shore Communications	<b>Aggregated Item Name:</b> Naval Shore Communications
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) (D6001) Defense Messaging System (DMS)</b>												
1.1) Defense Messaging Systems (DMS) Equipment (D6001) <sup>(3)</sup>		2011	Lockheed Martin / Virginia	C / FFP	San Diego, CA	Dec 2010	Feb 2011	3	705.333	Y		
1.1) Defense Messaging Systems (DMS) Equipment (D6001)		2012	Lockheed Martin / Virginia	C / FFP	San Diego, CA	Dec 2011	Feb 2012	3	520.667	Y		

**Remarks:**  
<sup>(3)</sup>FY11-12 qty indicates number of suites, not actual hardware systems. FY11-12 unit cost fluctuation is due to virtualization at 3 suites which reduces the number of hardware components required.



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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 15 : Cryptographic Equipment	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,004.841	113.737	109.394	144.104	-	144.104	142.507	136.454	125.421	125.641	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,004.841	113.737	109.394	144.104	-	144.104	142.507	136.454	125.421	125.641	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,004.841	113.737	109.394	144.104	-	144.104	142.507	136.454	125.421	125.641	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	1.030	0.762	0.834	-	0.834	0.554	1.548	0.779	0.621	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Information Systems Security Program (ISSP) ensures the protection of Navy and joint cyberspace systems from exploitation and attack. Cyberspace systems include wired and wireless telecommunications systems, information technology (IT) systems, and the content processed, stored, or transmitted therein. ISSP includes protection of the Navy's National Security Systems (NSS).

ISSP provides for the procurement of secure communications equipment to Navy ships, shore sites, aircraft, Marine Corps, and United States Coast Guard. ISSP protects information systems from unauthorized access or modification of information, and against the denial of service to authorized users or provision of service to unauthorized users. Information Assurance (IA) is a layered protection strategy, using Commercial Off-The-Shelf (COTS) and Government Off-The-Shelf (GOTS) hardware and software products that collectively provide an effective Network Security Infrastructure (multiple level security mechanisms and ability to detect and react to intrusions). IA is critical in protecting our ability to wage Network Centric Warfare (NCW).

ISSP supports the entire Naval cyberspace domain from the mobile forward-deployed subscriber, through the ashore supporting critical information infrastructure, and the interconnection with other cyberspace domains. The interconnectivity of naval and joint networks, connections to allied and coalition partners, connections to the public information infrastructure, and their use in naval and joint war fighting causes Navy cyberspace to be a higher value target more easily attacked.

The rapid change in the underlying commercial and government cyber infrastructures makes cybersecurity an increasingly complex and dynamic problem. ISSP provides the Navy's war fighter the essential information trust characteristics of availability, confidentiality, integrity, authentication, and non-repudiation. IA a key supporting cybersecurity activity, must evolve quickly to meet the rapidly evolving threats and vulnerabilities. Implementing ISSP requires new acquisition approaches to stay ahead of the adversary, including nation-states, terrorist, and criminal organizations.

The program provides hardware and software to the Navy with these cybersecurity systems: (1) defense of National Security Systems and Information; (2) assured separation of information levels and user communities, including allied, coalition, non-Governmental, Defense Industrial Base, and other public partners; (3) technologies supporting the Navy's Computer Network Defense Service Providers (CNDSP) operations; (4) assurance use of the Navy's telecommunications infrastructure and the wireless spectrum; (5) assurance of joint user cyberspace domains, using a defense-in-depth architecture; (6) assurance of the critical computing base and information store; and, (7) supporting assurance technologies, including a Public Key Infrastructure (PKI). ISSP OP,N program must be rapid, predictive, adaptive, and tightly coupled to cyberspace technology.

The following ISSP specific efforts will be funded under this program:

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<b>Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy</b>		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 15 : Cryptographic Equipment		<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<p>SECURE DATA: (DA070/DA071)- Computer Network Defense (CND) and Communications Security (COMSEC)/Crypto. The Secure Data program procures equipment to secure record and data communications.</p> <p>CND major focus in FY13: Equipment to be procured in FY13 is to secure Navy network information systems. Procurements within the CND Increment 2 equipment line include hardware and software such as servers, laptops, accessories and appliances that provide the following capabilities: Firewall components which provide protection for networks from unauthorized users, Virtual Private Networks (VPNs) which provide encrypted "Point-to-Point" virtual communication networks, Intrusion Prevention Systems (IPS), Boundary Protection (BP), Host Based Security Systems (HBSS), Information Assurance Security Manager (IASM), Application Control Architecture Services (ACAS), Keyboard, Video Mouse (KVM) equipment, Administrator Access Control, Network Security tools and network and content filtering. Hardware and software will also be procured to support the ONE-Net Site Collapse strategy.</p> <p>COMSEC/CRYPTO major focus in FY13: Procurements within the COMSEC / Crypto equipment line include various family of crypto products to include KIV-7M (replacing WALBURN, COMSEC Crypto Serial Replacement, KW-46, and KL-51 crypto devices), Cryptographic Universal Enclosures (CUE), KGV-136B Suite, KG-3X (KG-333, and KG-361), in-Line Network Encrypters (KG-175A and KG-175D, KOV-26, KIV-54), KG-45A, KGV-135A, AN-PYQ-20(v)(c) formerly KL-51M (Laptop, Suitcase and Components), VACM, KY-57, KY-58, KY-99, KY-100, AN/USC 43 (v)M, KOK-23, Online Certificate Status Protocol (OCSP) kits, Cryptographic Logon Devices (CLDs), KG 40AR, KO2 Enclosure replacement (HNF 2/3) and KW-46M Universal License. Associated ancillary testers, rack mount enclosures and parts, production support, integration and installation costs are also included.</p> <p>Secure Voice tactical hardware includes procurement of Very High Frequency (VHF)/ Ultra High Frequency (UHF) Wideband Tactical Secure Voice System Cryptographic Equipment (VINSON) / Advanced Narrowband Digital Voice Terminal Cryptographic Modernization (VACM), KSV-21 Cards, Next Generation Internet Protocol Phones (Next Generation IP Phones/Call Manager), and Navy Certificate Validation Infrastructure Cards.</p> <p>ELECTRONIC KEY MANAGEMENT SYSTEM (EKMS) / KEY MANAGEMENT INFRASTRUCTURE (KMI): (DA005) EKMS provides for cryptographic key management with the Department of Navy (DON). This program provides for the procurement of software and hardware management system, which consists of Interoperable Joint Service and Civil Agency key management components. The National Security Agency (NSA) established the EKMS program to meet multiple objectives which include supplying electronic key in a secure and operationally responsive manner and providing EKMS / Communication Security (COMSEC) managers with an automated system capable of ordering, generating, distributing, storing, security, accounting, and access control.</p> <p>EKMS/KMI major focus in FY13: Equipment to be procured includes EKMS Phase 5, EKMS Upgrades (hardware and software)), Tier 3 Simple Key Loader (SKL), Tier 3 Tactical Key Loader (TKL), Tier 3 Data Management Device (DMD), Advanced Key Processor, KMI Manager Clients Advanced Key Processors, and High Assurance Internet Protocol Equipment and other next generation EKMS Phase V products. Associated ancillary, production support and installation are also included.</p> <p>KMI is the next generation key management system that provides for net-centric, web based architecture for the ordering, management and distribution of all cryptographic key material to support DoN users. KMI is a NSA program, with the services procuring and deploying the Manager Client/Advanced Key Processor or Manager Only Clients to replace the EKMS Local Management Device (LMD)/KP platforms.</p> <p>The SKL stores, manages, transfers and loads cryptographic key material and COMSEC data through automatic loading of End Cryptographic Units (ECU). Specifically, the SKL and its predecessor Data Transfer Device (DTD) provides the next generation DTD, which is based on a Personal Computer Memory Card International Association card (crypto engine) and Commercial-off-the-Shelf (COTS) notebook / palmtop computer running Government-off-the-Shelf (GOTS) software. DMD provides for intermediate key management to incorporate Mission Planning capabilities to the key packages.</p> <p>The TKL is an EKMS Tier 3 electronic key loading device used to transfer and load cryptographic keys into ECU. This system will augment the aging and obsolete KYK-13.</p> <p>PUBLIC KEY INFRASTRUCTURE (PKI): (DA018) DoD mandated Public Key Infrastructure (PKI) program implements a secure infrastructure for the generation, management, and delivery of digital certificates for secure electronic transactions, hardware certificate-based two-way authentication to networks, applications, and web servers; and secure email.</p> <p>PKI major focus in FY13: Procurements include: Real-Time Automated Personnel Identification System (RAPIDS) capability on Integrated Shipboard Network Systems platforms. Card/Token readers &amp; middleware (including Homeland Security Presidential Directive-12 and Secret Information Protocol Router Network (SIPRNet) development, Online Certificate Status Protocol hardware and software</p>		

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 15 : Cryptographic Equipment

**P-1 Line Item Nomenclature:**  
3415 - Info Systems Security Program (ISSP)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

including server hardware, responder/repeaters hardware security modules, SIPRNet / Non-Classified Information Protocol Router Network (NIPRNet). Alternate Token Personal Identification Number reset workstations, SIPRNet, Middleware, Navy Proxy Certificate Authority and Tactical Registration Authority. In addition, this includes procurement of smart card (system administrator) capabilities along with other PKI modernization efforts such as new and enhanced PKI related cryptographic algorithms and Internet Protocol Version 6 (IPv6).

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Info Systems Security Program (ISSP) (See enclosed P-40A)	P40A, P5A				459.558			40.945			1.974			0.944			0.000			0.944
Computer Network Defense (CND) Increment 2- Afloat - 1	P3A		-	-	0.000	-	-	0.000	-	-	6.929	-	-	7.703	-	-	0.000	-	-	7.703
Computer Network Defense (CND) Increment 2- Shore - 2	P3A		-	-	0.000	-	-	1.389	-	-	13.571	-	-	21.404	-	-	0.000	-	-	21.404
Communications Security (COMSEC / CRYPTO) - Afloat - 3	P3A		-	-	189.079	-	-	40.449	-	-	34.680	-	-	62.854	-	-	0.000	-	-	62.854
Communications Security (COMSEC / CRYPTO) - Shore - 4	P3A		-	-	310.033	-	-	16.724	-	-	27.372	-	-	20.752	-	-	0.000	-	-	20.752
Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl - 5	P3A		-	-	30.036	-	-	3.741	-	-	2.906	-	-	8.486	-	-	0.000	-	-	8.486
Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6	P3A		-	-	16.135	-	-	10.489	-	-	21.962	-	-	21.961	-	-	0.000	-	-	21.961
<b>Total Gross/Weapon System Cost</b>					<b>1,004.841</b>			<b>113.737</b>			<b>109.394</b>			<b>144.104</b>			<b>-</b>			<b>144.104</b>

		FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Info Systems Security Program (ISSP) (See enclosed P-40A)	P40A, P5A				0.000			0.000			0.000			0.000			0.000			0.000
Computer Network Defense (CND) Increment 2- Afloat - 1	P3A		-	-	9.426	-	-	10.395	-	-	15.370	-	-	13.489	-	-	0.000	-	-	63.312
Computer Network Defense (CND) Increment 2- Shore - 2	P3A		-	-	11.654	-	-	10.241	-	-	10.139	-	-	11.128	-	-	-	-	-	-

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 15 : Cryptographic Equipment **P-1 Line Item Nomenclature:**  
3415 - Info Systems Security Program (ISSP)

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Item Nomenclature*	Exhibits	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Communications Security (COMSEC / CRYPTO) - Afloat - 3	P3A		-	-	58.051	-	-	60.955	-	-	41.931	-	-	37.358	-	-	-	-	-	-
Communications Security (COMSEC / CRYPTO) - Shore - 4	P3A		-	-	33.391	-	-	25.377	-	-	33.833	-	-	41.096	-	-	-	-	-	-
Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Aft - 5	P3A		-	-	8.832	-	-	8.757	-	-	8.318	-	-	0.000	-	-	-	-	-	-
Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6	P3A		-	-	21.153	-	-	20.729	-	-	15.830	-	-	22.570	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>					<b>142.507</b>			<b>136.454</b>			<b>125.421</b>			<b>125.641</b>			-			-

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
The procurement profile has been phased in accordance with validated requirements for Navy (ship, sub, shore, and aircraft), Marine Corps, and Coast Guard implementation plans and availability of NSA procured key management items.

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Nomenclature:									Aggregated Item Name:					
1810N / BA 2 / BSA 15					3415 - Info Systems Security Program (ISSP)									Info Systems Security Program (ISSP)					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) SECURE VOICE</b>																			
1.1) SECURE VOICE	A	-	-	145.143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) SECURE VOICE</i>				145.143			0.000			0.000			0.000			0.000			0.000
<b>2) (DA042) SCIP-IWF (Note 1)</b>																			
† 2.1) SCIP-IWF - AFLOAT PROCUREMENT	A	-	-	5.932	293.500	14	4.109	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) (DA042) SCIP-IWF (Note 1)</i>				5.932			4.109			0.000			0.000			0.000			0.000
<b>3) (DA044) SECURE VOICE Modernization (DA044)</b>																			
3.1) SV Modernization - Afloat (Note 2)	A	-	-	14.169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) SV Modernization - Shore	A	-	-	0.342	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 3) (DA044) SECURE VOICE Modernization (DA044)</i>				14.511			0.000			0.000			0.000			0.000			0.000
<b>4) (DA018) PKI SECURITY PRODUCTS</b>																			
† 4.1) PKI SECURITY PRODUCTS - Afloat (Note 4)	A	-	-	25.526	61.740	19	1.173	65.170	18	1.173	335.500	2	0.671	-	-	-	335.500	2	0.671
4.2) PKI SECURITY PRODUCTS - Ashore	A	-	-	34.268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 4) (DA018) PKI SECURITY PRODUCTS</i>				59.794			1.173			1.173			0.671			0.000			0.671
<b>5) (DA070) COMPUTER NETWORK DEFENSE</b>																			
† 5.1) COMPUTER NETWORK	A	-	-	52.828	47.940	264	12.656	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 15 **P-1 Line Item Nomenclature:** 3415 - Info Systems Security Program (ISSP) **Aggregated Item Name:** Info Systems Security Program (ISSP)

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
DEFENSE INC 1 - Afloat (Note 3)																			
† 5.2) COMPUTER NETWORK DEFENSE INC 1 - Shore	A	-	-	64.024	485.770	13	6.315	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) (DA070) COMPUTER NETWORK DEFENSE</i>				116.852			18.971			0.000			0.000			0.000			0.000
<b>6) (DA555) PRODUCTION SUPPORT</b>																			
6.1) SCIP-IWF Afloat	A	-	-	0.224	-	-	0.245	-	-	-	-	-	-	-	-	-	-	-	-
6.2) SV Modernization Afloat	A	-	-	1.127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) SV Modernization Shore	A	-	-	0.138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) PKI Afloat	A	-	-	5.586	-	-	0.060	-	-	0.060	-	-	0.028	-	-	-	-	-	0.028
6.5) PKI Shore	A	-	-	0.453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) CND Inc 1 Afloat	A	-	-	11.491	-	-	0.701	-	-	-	-	-	-	-	-	-	-	-	-
6.7) CND Inc 1 Shore	A	-	-	0.689	-	-	0.379	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) (DA555) PRODUCTION SUPPORT</i>				19.708			1.385			0.060			0.028			0.000			0.028
<b>7) (DA776) INSTALLATION NON FMP (Shore)</b>																			
7.1) SV Modernization	A	-	-	2.632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) PKI	A	-	-	2.408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) CND Inc 1	A	-	-	48.853	-	-	3.637	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 7) (DA776) INSTALLATION NON FMP (Shore)</i>				53.893			3.637			0.000			0.000			0.000			0.000
<b>8) (DA776) PRE-INSTALLATION Shore Design</b>																			
8.1) SV Modernization	A	-	-	0.231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) PKI	A	-	-	0.212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 15 **P-1 Line Item Nomenclature:** 3415 - Info Systems Security Program (ISSP) **Aggregated Item Name:** Info Systems Security Program (ISSP)

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
8.3) CND Inc 1	A	-	-	0.798	-	-	0.909	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 8) (DA776) PRE-INSTALLATION Shore Design</i>				1.241			0.909			0.000			0.000			0.000			0.000
<b>9) (DA777) INSTALLATION FMP (Afloat)</b>																			
9.1) SCIP-IWF	A	-	-	4.050	-	-	2.150	-	-	-	-	-	-	-	-	-	-	-	-
9.2) SV Modernization	A	-	-	14.811	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.3) PKI	A	-	-	3.738	-	-	0.999	-	-	0.640	-	-	0.200	-	-	-	-	-	0.200
9.4) CND Inc 1	A	-	-	13.603	-	-	6.056	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 9) (DA777) INSTALLATION FMP (Afloat)</i>				36.202			9.205			0.640			0.200			0.000			0.200
<b>10) (DA777) DSA (Afloat)</b>																			
10.1) SCIP-IWF	A	-	-	0.250	-	-	0.379	-	-	-	-	-	-	-	-	-	-	-	-
10.2) SV Modernization	A	-	-	1.306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.3) PKI	A	-	-	1.330	-	-	0.016	-	-	0.101	-	-	0.045	-	-	-	-	-	0.045
10.4) CND Inc 1	A	-	-	3.396	-	-	1.161	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 10) (DA777) DSA (Afloat)</i>				6.282			1.556			0.101			0.045			0.000			0.045
<b>Total</b>				<b>459.558</b>			<b>40.945</b>			<b>1.974</b>			<b>0.944</b>			<b>0.000</b>			<b>0.944</b>

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 15				P-1 Line Item Nomenclature: 3415 - Info Systems Security Program (ISSP)										Aggregated Item Name: Info Systems Security Program (ISSP)					
Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) SECURE VOICE</b>																			
1.1) SECURE VOICE	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 1) SECURE VOICE				0.000			0.000			0.000			0.000			0.000			0.000
<b>2) (DA042) SCIP-IWF (Note 1)</b>																			
† 2.1) SCIP-IWF - AFLOAT PROCUREMENT	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 2) (DA042) SCIP-IWF (Note 1)				0.000			0.000			0.000			0.000			0.000			0.000
<b>3) (DA044) SECURE VOICE Modernization (DA044)</b>																			
3.1) SV Modernization - Afloat (Note 2)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) SV Modernization - Shore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 3) (DA044) SECURE VOICE Modernization (DA044)				0.000			0.000			0.000			0.000			0.000			0.000
<b>4) (DA018) PKI SECURITY PRODUCTS</b>																			
† 4.1) PKI SECURITY PRODUCTS - Afloat (Note 4)	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) PKI SECURITY PRODUCTS - Ashore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal 4) (DA018) PKI SECURITY PRODUCTS				0.000			0.000			0.000			0.000			0.000			0.000
<b>5) (DA070) COMPUTER NETWORK DEFENSE</b>																			
† 5.1) COMPUTER NETWORK	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 15 **P-1 Line Item Nomenclature:** 3415 - Info Systems Security Program (ISSP) **Aggregated Item Name:** Info Systems Security Program (ISSP)

Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
DEFENSE INC 1 - Afloat (Note 3)																			
† 5.2) COMPUTER NETWORK DEFENSE INC 1 - Shore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 5) (DA070) COMPUTER NETWORK DEFENSE</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>6) (DA555) PRODUCTION SUPPORT</b>																			
6.1) SCIP-IWF Afloat	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) SV Modernization Afloat	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) SV Modernization Shore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) PKI Afloat	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.5) PKI Shore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) CND Inc 1 Afloat	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.7) CND Inc 1 Shore	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 6) (DA555) PRODUCTION SUPPORT</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>7) (DA776) INSTALLATION NON FMP (Shore)</b>																			
7.1) SV Modernization	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) PKI	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) CND Inc 1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 7) (DA776) INSTALLATION NON FMP (Shore)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>8) (DA776) PRE-INSTALLATION Shore Design</b>																			
8.1) SV Modernization	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) PKI	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Aggregated Item Name:</b> Info Systems Security Program (ISSP)
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Items († indicates the presence of a P-5A)	ID CD	FY 2014			FY 2015			FY 2016			FY 2017			To Complete			Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
8.3) CND Inc 1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 8) (DA776) PRE-INSTALLATION Shore Design</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>9) (DA777) INSTALLATION FMP (Afloat)</b>																			
9.1) SCIP-IWF	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) SV Modernization	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.3) PKI	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.4) CND Inc 1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 9) (DA777) INSTALLATION FMP (Afloat)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>10) (DA777) DSA (Afloat)</b>																			
10.1) SCIP-IWF	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.2) SV Modernization	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.3) PKI	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.4) CND Inc 1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 10) (DA777) DSA (Afloat)</i>				0.000			0.000			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

1. FY12 Secure Voice for the 21st Century Interworking Function (SCIP-IWF) (DA042) realigned to Budget Line Item (BLI) 3050 Automated Digital Network System (ADNS).
2. FY11, Secure Voice Modernization (Crypto-tactical) - (DA044) realigned to Secure Data (COMSEC)- (DA071).
3. FY11 Computer Network Defense (CND) Inc 1 Afloat total cost includes \$15,040K in support of Host Based Security System (HBSS) Acceleration efforts.
4. PKI FY11 and FY12 quantity represents a combination of equipment/hardware (\$61K each) and installation kits (\$1.5K each). FY13 includes a one time non-recurring engineering cost of \$549K in addition to hardware/equipment only.

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 15				P-1 Line Item Nomenclature: 3415 - Info Systems Security Program (ISSP)						Aggregated Item Name: Info Systems Security Program (ISSP)			
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
<b>2) (DA042) SCIP-IWF (Note 1)</b>													
2.1) SCIP-IWF - AFLOAT PROCUREMENT		2011	Net Federal / Dulles, VA	SS / FFP	DITCO/DISA	Feb 2011	May 2011	14	293.500	Y			
<b>4) (DA018) PKI SECURITY PRODUCTS</b>													
4.1) PKI SECURITY PRODUCTS - Afloat (Note 4)		2011	SPAWAR Atlantic / Charleston, SC	WR	SSC LANT	Dec 2010	Apr 2011	19	61.740	Y			
4.1) PKI SECURITY PRODUCTS - Afloat (Note 4)		2012	SPAWAR Atlantic / Charleston, SC	WR	SSC LANT	Dec 2011	Apr 2012	18	65.170	Y			
4.1) PKI SECURITY PRODUCTS - Afloat (Note 4) <sup>(1)</sup>		2013	SPAWAR Atlantic / Charleston, SC	WR	SSC LANT	Dec 2012	Apr 2013	2	335.500	Y			
<b>5) (DA070) COMPUTER NETWORK DEFENSE</b>													
5.1) COMPUTER NETWORK DEFENSE INC 1 - Afloat (Note 3)		2011	SPAWAR Pacific / San Diego	WR	SSC PAC	Nov 2010	Dec 2010	264	47.940	Y			
5.2) COMPUTER NETWORK DEFENSE INC 1 - Shore		2011	SSC LANT / Charleston, SC	WR	SSC LANT	Nov 2010	Dec 2010	13	485.770	Y			
<b>Remarks:</b>													
<sup>(1)</sup> FY13 PKI includes a one time non-recurring engineering cost \$549K) in addition to the procurement of hardware equipment only.													

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Computer Network Defense (CND) Increment 2- Afloat - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	6.929	7.703	0.000	7.703	9.426	10.395	15.370	13.489	0.000	63.312
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	0.000	6.929	7.703	0.000	7.703	9.426	10.395	15.370	13.489	0.000	63.312
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>0.000</b>	<b>6.929</b>	<b>7.703</b>	<b>0.000</b>	<b>7.703</b>	<b>9.426</b>	<b>10.395</b>	<b>15.370</b>	<b>13.489</b>	<b>0.000</b>	<b>63.312</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

CND Afloat systems (AN/UYQ-96) include: Firewalls (FW), Intrusion Prevention Systems (IPs), Boundary Protection (BP), supporting hardware and software for DoD mandated tools (e.g. Vulnerability Remediation Asset Manager (VRAM), Secure Configuration Compliance Validation Initiative (SCCVI), Secure Configuration Remediation Initiative (SCRI), Host Based Security System (HBSS), Assured Configuration Assessment Solution (ACAS)), Information Assurance Tracking System (IATS), Information Assurance Security Manager (IASM), Computer Adaptive Network Defense in Depth (CANDID) Virtual Secure Enclave (VSE), enhanced data correlation tools, Switches, ancillary devices and other related security tools.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15				<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Computer Network Defense (CND) Increment 2- Afloat - 1			
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b> 0303140N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
<b>Procurement</b>													
Computer Network Defense (CND) Increment 2- Afloat													
B Kits													
Recurring													
2.1.1) CND 2.0/CND-Operating System Environment (OSE) SW Only - NonOrganic (2)	-	-	-	-	30	0.849	-	-	-	-	-	-	
2.1.2) CND 2.0/CND-OSE HW/SW - NonOrganic	-	-	-	-	13	1.219	-	-	-	-	-	-	
2.1.3) CND 2.0/CND-IATS - NonOrganic	-	-	-	-	7	0.570	-	-	-	-	-	-	
2.1.4) CND 2.0/Laptop - NonOrganic	-	-	-	-	8	0.186	-	-	-	-	-	-	
2.1.5) Cyber Security VSE - NonOrganic	-	-	-	-	-	-	8	1.375	-	-	8	1.375	
2.1.6) CND 2.1/CND-OSE SW Only - NonOrganic	-	-	-	-	-	-	10	0.287	-	-	10	0.287	
2.1.7) CND 2.1/CND-OSE HW/SW - NonOrganic	-	-	-	-	-	-	11	1.048	-	-	11	1.048	
2.1.8) CN IATS 2.1 - NonOrganic	-	-	-	-	-	-	9	1.186	-	-	9	1.186	
2.1.10) CND 2.X/CND-OSE SW Only - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.11) CND 2.X/CND-OSE HW/SW - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.12) CND 2.X/CND-IATS - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.13) CND 2.X/Laptop - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		0.000		0.000		2.824		3.896		0.000		3.896	
<i>Total, Computer Network Defense (CND) Increment 2- Afloat</i>	-	-	-	-	58	2.824	38	3.896	-	-	38	3.896	
<i>Total, All Modifications</i>		0.000		0.000		2.824		3.896		0.000		3.896	
<b>Support</b>													
3.1) CND Production Support Afloat	-	-	-	-	-	0.169	-	0.234	-	-	-	0.234	
3.2) CND DSA	-	-	-	-	-	0.456	-	0.483	-	-	-	0.483	
<i>Total Support Cost</i>		0.000		0.000		0.625		0.717		0.000		0.717	
<i>Procurement Cost (Procurement + Support)</i>		0.000		0.000		3.449		4.613		0.000		4.613	
<i>Total Installation Cost</i>		0.000		0.000		3.480		3.090		0.000		3.090	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>0.000</b>		<b>6.929</b>		<b>7.703</b>		<b>0.000</b>		<b>7.703</b>	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy									<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15			<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Computer Network Defense (CND) Increment 2- Afloat - 1			
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0303140N					
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Computer Network Defense (CND) Increment 2- Afloat												
B Kits												
Recurring												
2.1.1) CND 2.0/CND-Operating System Environment (OSE) SW Only - NonOrganic (2)	-	-	-	-	-	-	-	-	-	-	30	0.849
2.1.2) CND 2.0/CND-OSE HW/SW - NonOrganic	-	-	-	-	-	-	-	-	-	-	13	1.219
2.1.3) CND 2.0/CND-IATS - NonOrganic	-	-	-	-	-	-	-	-	-	-	7	0.570
2.1.4) CND 2.0/Laptop - NonOrganic	-	-	-	-	-	-	-	-	-	-	8	0.186
2.1.5) Cyber Security VSE - NonOrganic	2	0.198	1	0.115	1	0.115	1	0.115	-	-	13	1.918
2.1.6) CND 2.1/CND-OSE SW Only - NonOrganic	-	-	-	-	-	-	-	-	-	-	10	0.287
2.1.7) CND 2.1/CND-OSE HW/SW - NonOrganic	-	-	-	-	-	-	-	-	-	-	11	1.048
2.1.8) CN IATS 2.1 - NonOrganic	-	-	-	-	-	-	-	-	-	-	9	1.186
2.1.10) CND 2.X/CND-OSE SW Only - NonOrganic	2	0.058	2	0.049	5	0.151	6	0.184	-	-	15	0.442
2.1.11) CND 2.X/CND-OSE HW/SW - NonOrganic	24	3.845	17	2.770	10	1.657	26	4.429	-	-	77	12.701
2.1.12) CND 2.X/CND-IATS - NonOrganic	2	0.282	-	-	1	0.211	-	-	-	-	3	0.493
2.1.13) CND 2.X/Laptop - NonOrganic	1	0.088	21	1.885	46	4.198	12	1.114	-	-	80	7.285
<i>Subtotal Recurring</i>		4.471		4.819		6.332		5.842		0.000		28.184
<i>Total, Computer Network Defense (CND) Increment 2- Afloat</i>	31	4.471	41	4.819	63	6.332	45	5.842	-	-	276	28.184
<i>Total, All Modifications</i>		4.471		4.819		6.332		5.842		0.000		28.184
<b>Support</b>												
3.1) CND Production Support Afloat	-	0.268	-	0.289	-	0.380	-	0.351	-	-	-	1.691
3.2) CND DSA	-	1.142	-	1.014	-	1.213	-	1.748	-	-	-	6.056
<i>Total Support Cost</i>		1.410		1.303		1.593		2.099		0.000		7.747
<i>Procurement Cost (Procurement + Support)</i>		5.881		6.122		7.925		7.941		0.000		35.931
<i>Total Installation Cost</i>		3.545		4.273		7.445		5.548		0.000		27.381
<b>Total Cost (Procurement + Support + Installation)</b>		<b>9.426</b>		<b>10.395</b>		<b>15.370</b>		<b>13.489</b>		<b>0.000</b>		<b>63.312</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Computer Network Defense (CND) Increment 2- Afloat - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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**Remarks:**  
 (2)1. CND Inc 2 Afloat procurement/installation quantity represents one system for a ship platform. Depending on the build required to bring that ship to baseline, the unit cost goes from \$17K for CND-Operating Systems Environment (CND-OSE) SW only to \$300K for IATS with IASM. The mix of these variants being fielded is different each year. Beginning with CND 2.1, IASM is included in the afloat baseline. Due to updated cost estimates the unit costs for all procurements and installs will increase because of the IASM HW and capability.  
 2. CND 2.X is comprised of CND-ONE-Net Security Enhancement (OSE) 2.1 in addition to BP and IASM. Currently, BP and IASM (Hardware systems) are anticipated to go to all platforms, thereby negating previously software-only no-install required systems.  
 3. Cyber Security VSE enables the transition of the CANDID JCTD. FY13 procurements are the initial systems, FY14 & out are Fly Away Kits (FAKs).  
 4. First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

**Manufacturer Information: Computer Network Defense (CND) Increment 2- Afloat**

Manufacturer Name: SSC Atlantic - CND Afloat				Manufacturer Location: Charleston, SC			
Administrative Leadtime ( <i>in Months</i> ): 1				Production Leadtime ( <i>in Months</i> ): 1			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates		Nov 2011	Nov 2012				
Delivery Dates		Dec 2011	Dec 2012				

**Installation:** Computer Network Defense (CND) Increment 2- Afloat      **Method of Implementation:** Method      **Installation Name:** Computer Network Defense (CND) Increment 2- Afloat

<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	58	3.480	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	38	3.090	0	0.000	38	3.090
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	58	3.480	38	3.090	0	0.000	38	3.090

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Computer Network Defense (CND) Increment 2- Afloat - 1

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Installation:</b> Computer Network Defense (CND) Increment 2- Afloat	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Computer Network Defense (CND) Increment 2- Afloat
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	-	-	-	-	58	3.480
FY 2013	-	-	-	-	-	-	-	-	-	-	38	3.090
FY 2014	31	3.545	-	-	-	-	-	-	-	-	31	3.545
FY 2015	-	-	41	4.273	-	-	-	-	-	-	41	4.273
FY 2016	-	-	-	-	63	7.445	-	-	-	-	63	7.445
FY 2017	-	-	-	-	-	-	44	5.548	1	0.000	45	5.548
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>31</b>	<b>3.545</b>	<b>41</b>	<b>4.273</b>	<b>63</b>	<b>7.445</b>	<b>44</b>	<b>5.548</b>	<b>1</b>	<b>0.000</b>	<b>276</b>	<b>27.381</b>

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	-	-	-	-	4	11	21	21	6	14	13	5	1	19	5	7	1	12	13	14	2	19	18	19	6	-	15	13	17	276
Out	-	-	-	-	-	4	11	18	24	6	13	12	7	1	15	9	7	1	12	13	14	2	19	17	20	6	-	12	16	17	276



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Computer Network Defense (CND) Increment 2- Shore - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	1.389	13.571	21.404	0.000	21.404	11.654	10.241	10.139	11.128	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	1.389	13.571	21.404	0.000	21.404	11.654	10.241	10.139	11.128	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	1.389	13.571	21.404	0.000	21.404	11.654	10.241	10.139	11.128	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

CND Shore systems (AN/FYC-23): IT-21 Networks Operation Centers (NOCs), ONE-NET Information Assurance Suite (IAS), and piers) include: Anti-Virus, Content Filtering, Firewalls, Boundary Protection, (BP), Vulnerability Remediation Asset Manager (VRAM), Virtual Private Networks (VPNs), Intrusion Prevention Systems (IPSs), Host Based Security System (HBSS), Secure Configuration Compliance Validation Initiative (SCCVI), Assured Configuration Assessment Solution (ACAS), Authentication, Authorization and Accounting (AAA) servers, enhanced data correlation (Intelligent Agent Security Module (IASM)), DMZ, Keyboard, Video, Mouse (KVM), Computer Adaptive Network Defense in Depth (CANDID) Virtual Secure Enclave (VSE), Routers and Switches, ancillary devices and other related security tools. The ONE-Net Security Enhancement Initiative consolidates Local Network Service Centers (LNSC) to their parent Theater Network Operations and Security Center (TNOSCs) enabling greater failover capability between ONE-Net sites (CND Shore sites: INC 1 FY11 and INC 2, FY12-14).

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Computer Network Defense (CND) Increment 2- Shore - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Computer Network Defense (CND) Increment 2- Shore												
B Kits												
Recurring												
2.1.1) IT-21/NOC - NonOrganic <sup>(3)</sup>	-	-	1	0.426	7	3.887	4	2.256	-	-	4	2.256
2.1.2) IT-21/NCDOC - NonOrganic	-	-	-	-	2	1.110	1	0.564	-	-	1	0.564
2.1.3) IT-21/Broadcast Control Authority (BCA) - NonOrganic	-	-	-	-	4	0.674	2	0.343	-	-	2	0.343
2.1.4) ONE-NET/TNOSC - NonOrganic	-	-	1	0.505	3	1.666	5	2.820	-	-	5	2.820
2.1.6) ONE-Net Security Enhancement Initiative - NonOrganic	-	-	-	-	-	-	11	2.443	-	-	11	2.443
2.1.7) Cyber Security VSE - NonOrganic	-	-	-	-	-	-	4	5.500	-	-	4	5.500
<i>Subtotal Recurring</i>		0.000		0.931		7.337		13.926		0.000		13.926
<i>Total, Computer Network Defense (CND) Increment 2- Shore</i>	-	-	2	0.931	16	7.337	27	13.926	-	-	27	13.926
<i>Total, All Modifications</i>		0.000		0.931		7.337		13.926		0.000		13.926
<b>Support</b>												
3.1) CND Production Support Shore	-	-	-	-	-	0.440	-	0.836	-	-	-	0.836
3.2) Pre-Design Install Planning Shore	-	-	-	0.081	-	1.380	-	1.454	-	-	-	1.454
<i>Total Support Cost</i>		0.000		0.081		1.820		2.290		0.000		2.290
<i>Procurement Cost (Procurement + Support)</i>		0.000		1.012		9.157		16.216		0.000		16.216
<i>Total Installation Cost</i>		0.000		0.377		4.414		5.188		0.000		5.188
<b>Total Cost (Procurement + Support + Installation)</b>		<b>0.000</b>		<b>1.389</b>		<b>13.571</b>		<b>21.404</b>		<b>0.000</b>		<b>21.404</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Computer Network Defense (CND) Increment 2- Shore												
B Kits												
Recurring												

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Computer Network Defense (CND) Increment 2- Shore - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.1.1) IT-21/NOC - NonOrganic <sup>(3)</sup>	4	2.326	4	2.333	4	2.373	4	2.563	-	-	28	16.164
2.1.2) IT-21/NCDOC - NonOrganic	1	0.574	1	0.583	1	0.593	1	0.653	-	-	7	4.077
2.1.3) IT-21/Broadcast Control Authority (BCA) - NonOrganic	2	0.348	4	0.708	4	0.720	4	0.808	-	-	20	3.601
2.1.4) ONE-NET/TNOSC - NonOrganic	3	2.143	3	1.750	3	1.780	3	1.960	-	-	21	12.624
2.1.6) ONE-Net Security Enhancement Initiative - NonOrganic	4	0.844	-	-	-	-	-	-	Continuing	Continuing	Continuing	Continuing
2.1.7) Cyber Security VSE - NonOrganic	2	0.792	1	0.460	1	0.460	1	0.460	-	-	9	7.672
<i>Subtotal Recurring</i>		7.027		5.834		5.926		6.444		0.000		44.138
<i>Total, Computer Network Defense (CND) Increment 2- Shore</i>	16	7.027	13	5.834	13	5.926	13	6.444	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		7.027		5.834		5.926		6.444		0.000		0.000
<b>Support</b>												
3.1) CND Production Support Shore	-	0.422	-	0.350	-	0.356	-	0.387	Continuing	Continuing	Continuing	Continuing
3.2) Pre-Design Install Planning Shore	-	0.846	-	0.904	-	0.805	-	0.818	Continuing	Continuing	Continuing	Continuing
<i>Total Support Cost</i>		1.268		1.254		1.161		1.205		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		8.295		7.088		7.087		7.649		0.000		0.000
<i>Total Installation Cost</i>		3.359		3.153		3.052		3.479		0.000		23.022
<b>Total Cost (Procurement + Support + Installation)</b>		<b>11.654</b>		<b>10.241</b>		<b>10.139</b>		<b>11.128</b>		<b>0.000</b>		<b>23.022</b>

**Remarks:**

- <sup>(3)</sup>1. Inc 2 Shore procurement/installation qty represents multiple CND architectures with an assortment of builds that are specifically designed to each site. Unit cost fluctuations vary with site type (LNSC vice NOC) as well as variant being fielded (CND 2.0 in FY12 vice CND 2.X in FY15) to that site. Installation cost will vary based on equipment installed/removed as well as location.
2. CND Inc 2 Shore FY11 Milestone C approved August 2011, with contract award November 2011 installs in 1Q FY12.
3. ONE-Net Security Initiative (formerly called the LNSC Site Consolidation) is the reconfiguration effort to create increased failover capability between the ONE-Net sites. Phases 1 and 4 (FY12 & FY15) do not require procurements or installation efforts, but are site surveys conducting reconfigurations of networks.
4. Installation profile reflects 90-day requirement to have funds on contract prior to installation. Required all Q1, October/November Installs to be paid with previous year funds.
5. Cyber Security VSE enables the transition of the CANDID Joint Capability Technology Demonstration (JCTD). FY13 procurements are the initial systems, FY14 & out are FAKs.
6. The fielding strategy changed for BCAs to every year vice every four years to keep them in baseline with other IT-21 configurations and provide improved network defense capability.
7. First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

<b>Manufacturer Information: Computer Network Defense (CND) Increment 2- Shore</b>	
Manufacturer Name: SSC Atlantic - CND Ashore	Manufacturer Location: Charlesto, SC

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Computer Network Defense (CND) Increment 2- Shore - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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**Manufacturer Information:** Computer Network Defense (CND) Increment 2- Shore

Administrative Leadtime ( <i>in Months</i> ): 1				Production Leadtime ( <i>in Months</i> ): 1			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Nov 2011	Nov 2011	Nov 2012				
Delivery Dates	Dec 2011	Dec 2011	Dec 2012				

<b>Installation:</b> Computer Network Defense (CND) Increment 2- Shore	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Computer Network Defense (CND) Increment 2- Shore
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	2	0.377	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	11	4.414	5	0.000	0	0.000	5	0.000
FY 2013	-	-	-	-	-	-	27	5.188	0	0.000	27	5.188
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	2	0.377	11	4.414	32	5.188	0	0.000	32	5.188

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	-	-	-	-	-	-	2	0.377
FY 2012	-	-	-	-	-	-	-	-	-	-	16	4.414
FY 2013	-	-	-	-	-	-	-	-	-	-	27	5.188
FY 2014	16	3.359	-	-	-	-	-	-	-	-	16	3.359
FY 2015	-	-	13	3.153	-	-	-	-	-	-	13	3.153

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Computer Network Defense (CND) Increment 2- Shore - 2

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Installation:</b> Computer Network Defense (CND) Increment 2- Shore	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Computer Network Defense (CND) Increment 2- Shore
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2016	-	-	-	-	13	3.052	-	-	-	-	13	3.052
FY 2017	-	-	-	-	-	-	13	3.479	-	-	13	3.479
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	16	3.359	13	3.153	13	3.052	13	3.479	-	-	100	23.022

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	-	2	-	-	-	1	3	3	1	8	6	10	9	2	4	3	5	4	4	4	3	2	4	4	3	2	5	5	3	-	100
Out	-	2	-	-	-	1	3	3	1	8	4	11	10	2	3	3	5	1	7	3	4	3	3	4	4	2	4	4	5	-	100

**UNCLASSIFIED**

<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Communications Security (COMSEC / CRYPTO) - Afloat - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	189.079	40.449	34.680	62.854	0.000	62.854	58.051	60.955	41.931	37.358	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	189.079	40.449	34.680	62.854	0.000	62.854	58.051	60.955	41.931	37.358	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>189.079</b>	<b>40.449</b>	<b>34.680</b>	<b>62.854</b>	<b>0.000</b>	<b>62.854</b>	<b>58.051</b>	<b>60.955</b>	<b>41.931</b>	<b>37.358</b>	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

DA071/DA777

Procurements within the COMSEC / CRYPTO legacy and modernization equipment lines include: KIV-7M (Replacing WALBURN, COMSEC Crypto Serial Replacement , KW-46 and AN-PYQ-20(v)(c) (formerly KL-51 Crypto devices), Cryptographic Universal Enclosures (CUE), KGV-136B, KG-3X (KG-333, KG-361), and Inline Network Encryptors (INE) , KG-175A and KG-175D, KG-45A, KOV-26 (TALON) , KIV-54, KG 40AR, KO2 Enclosure replacement (HNF 2/HNF 3), KGV-135A, AN-PYQ-20(v)(c) kits (Suitcase, and Components), Cryptographic Logon (CLO), Combat Key Generator (KOK-23), associated ancillary testers, rack mounts and parts, production support, integration, and installation are also included. Starting in FY11, the COMSEC line will include Secure Voice. Secure Voice is a collection of next generation Secure Voice products and Legacy which includes various configurations of modernization products such as office, tactical, wireless, remote, telephony and tactical crypto equipment. VINSON ANDVT Crypto Modernization (VACM) is a multi service, United State AirForce (USAF) led, effort to modernize KY-57, KY-58, KY-99, KY-100, and KYV-5 legacy devices in the Navy, United States Coast Guard (USCG) and United States Marine Corps (USMC). Procurement for the devices starts in FY13. Secure Voice also supports AN/USC-43(V)M, Tactical Shore Gateway (TSG), Internet Protocol (IP) devices.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15				<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Afloat - 3			
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b> 0303140N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
Communications Security (COMSEC / CRYPTO) - Afloat													
B Kits													
Recurring													
2.1.1) KOK 23 - Organic <sup>(4)</sup>	5	0.200	37	0.562	-	-	-	-	-	-	-	-	
2.1.2) KG 175D - Organic	-	-	-	-	169	2.388	2,168	29.540	-	-	2,168	29.540	
2.1.3) KG3X Suites (KG 333, KGV 361, A kit, B kit, ECU RC, Airborne Mount) - Organic	22	6.836	8	3.168	-	-	-	-	-	-	-	-	
2.1.4) KGV 136B - Organic	459	6.045	493	7.596	-	-	-	-	-	-	-	-	
2.1.5) KG 40AR SUITES - Organic	115	4.407	-	-	-	-	-	-	-	-	-	-	
2.1.6) KG 45A - Organic	-	-	168	1.781	10	0.113	90	1.002	-	-	90	1.002	
2.1.7) KIV 7M - Organic	-	-	1,360	13.607	-	-	-	-	-	-	-	-	
2.1.8) VACM (KYV 5M, KY100M, KY99M, KY57M, KY58M) - Organic	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.9) 3040 Encl - Organic	-	-	44	0.526	-	-	-	-	-	-	-	-	
2.1.10) Crypto - AN-PYQ-20(v)(c) - NonOrganic	43	0.370	1	0.008	1	0.008	1	0.008	-	-	1	0.008	
2.1.11) Crypto - Comsec Crypto Serial Replacement (Note 1) - NonOrganic	30	3.715	92	6.321	75	8.156	62	6.866	-	-	62	6.866	
2.1.12) Crypto - Sub CM CSRR - NonOrganic	2	1.085	5	2.844	13	7.191	11	5.786	-	-	11	5.786	
2.1.13) Crypto - VACM - NonOrganic	-	-	-	-	-	-	14	0.185	-	-	14	0.185	
2.1.14) Crypto - WALBURN - NonOrganic	6	0.431	-	-	-	-	-	-	-	-	-	-	
2.1.15) Crypto - KO2 Replacement - NonOrganic	-	-	2	0.050	2	0.051	-	-	-	-	-	-	
2.1.16) PRIOR YEAR CRYPTO - NonOrganic	101	112.259	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		135.348		36.463		17.907		43.387		0.000		43.387	
<i>Total, Communications Security (COMSEC / CRYPTO) - Afloat</i>	783	135.348	2,210	36.463	270	17.907	2,346	43.387	-	-	2,346	43.387	
<i>Total, All Modifications</i>		135.348		36.463		17.907		43.387		0.000		43.387	
<b>Support</b>													
3.1) Communications Security (COMSEC / CRYPTO) - Afloat Production Support	-	16.873	-	2.208	-	0.935	-	2.529	-	-	-	2.529	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Afloat - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
3.2) Communications Security (COMSEC / CRYPTO) - Afloat DSA	-	9.922	-	0.234	-	2.817	-	3.055	-	-	-	3.055
<b>Total Support Cost</b>		26.795		2.442		3.752		5.584		0.000		5.584
<b>Procurement Cost (Procurement + Support)</b>		162.143		38.905		21.659		48.971		0.000		48.971
<b>Total Installation Cost</b>		26.936		1.544		13.021		13.883		0.000		13.883
<b>Total Cost (Procurement + Support + Installation)</b>		189.079		40.449		34.680		62.854		0.000		62.854

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Communications Security (COMSEC / CRYPTO) - Afloat												
B Kits												
Recurring												
2.1.1) KOK 23 - Organic <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	42	0.762
2.1.2) KG 175D - Organic	77	0.888	-	-	80	1.140	105	1.263	Continuing	Continuing	Continuing	Continuing
2.1.3) KG3X Suites (KG 333, KGV 361, A kit, B kit, ECU RC, Airborne Mount) - Organic	-	-	-	-	-	-	-	-	-	-	30	10.004
2.1.4) KGV 136B - Organic	-	-	-	-	-	-	-	-	-	-	952	13.641
2.1.5) KG 40AR SUITES - Organic	-	-	-	-	-	-	-	-	-	-	115	4.407
2.1.6) KG 45A - Organic	-	-	-	-	-	-	-	-	-	-	268	2.896
2.1.7) KIV 7M - Organic	-	-	-	-	-	-	-	-	-	-	1,360	13.607
2.1.8) VACM (KYV 5M, KY100M, KY99M, KY57M, KY58M) - Organic	-	-	-	-	1,011	4.670	1,370	22.691	Continuing	Continuing	Continuing	Continuing
2.1.9) 3040 Encl - Organic	-	-	-	-	-	-	-	-	-	-	44	0.526
2.1.10) Crypto - AN-PYQ-20(v)(c) - NonOrganic	-	-	-	-	-	-	-	-	-	-	46	0.394
2.1.11) Crypto - Comsec Crypto Serial Replacement (Note 1) - NonOrganic	56	5.828	61	6.111	16	2.012	-	-	-	-	392	39.009
2.1.12) Crypto - Sub CM CSRR - NonOrganic	58	8.721	58	7.253	42	5.327	6	1.676	Continuing	Continuing	Continuing	Continuing
2.1.13) Crypto - VACM - NonOrganic	192	19.895	84	16.203	129	6.041	-	-	-	-	419	42.324



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Afloat - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
2.1.14) Crypto - WALBURN - NonOrganic	-	-	-	-	-	-	-	-	-	-	6	0.431
2.1.15) Crypto - KO2 Replacement - NonOrganic	-	-	-	-	-	-	-	-	-	-	4	0.101
2.1.16) PRIOR YEAR CRYPTO - NonOrganic	-	-	-	-	-	-	-	-	-	-	101	112.259
<i>Subtotal Recurring</i>		35.332		29.567		19.190		25.630		0.000		240.361
<i>Total, Communications Security (COMSEC / CRYPTO) - Afloat</i>	383	35.332	203	29.567	1,278	19.190	1,481	25.630	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>		35.332		29.567		19.190		25.630		0.000		0.000
<b>Support</b>												
3.1) Communications Security (COMSEC / CRYPTO) - Afloat Production Support	-	1.993	-	1.683	-	1.105	-	1.410	Continuing	Continuing	Continuing	Continuing
3.2) Communications Security (COMSEC / CRYPTO) - Afloat DSA	-	7.896	-	8.376	-	5.270	-	1.720	Continuing	Continuing	Continuing	Continuing
<i>Total Support Cost</i>		9.889		10.059		6.375		3.130		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		45.221		39.626		25.565		28.760		0.000		0.000
<i>Total Installation Cost</i>		12.830		21.329		16.366		8.598		0.000		114.507
<b>Total Cost (Procurement + Support + Installation)</b>		<b>58.051</b>		<b>60.955</b>		<b>41.931</b>		<b>37.358</b>		<b>0.000</b>		<b>114.507</b>

**Remarks:**

- (4)1. COMSEC/Crypto procurement quantities represent units, devices and/or install kits. Unit costs vary from \$8K for AN-PYQ-20(v)(c) to \$526K for Sub Crypto Mod (CM) Common Sub Radio Room (CSRR) on Afloat platforms. Depending on the device and quantity procured, unit cost can fluctuate widely from year to year.
2. Represents equipment procured by COMSEC but installation is funded by the cognizant Programs and Services.
3. Increase in quantities in FY12 and FY13 is to meet the Office of Management and Budget (OMB) mandate that the Navy transition to IPV6 prior to the end of FY14.
4. Admin lead time includes NSA's contract lead time.
5. VACM procurement unit costs based on USAF estimates.

**Manufacturer Information: Communications Security (COMSEC / CRYPTO) - Afloat**

Manufacturer Name: SafeNet - KIV-7M				Manufacturer Location: Torrance, CA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 7			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Feb 2011	Feb 2012	Feb 2013				
Delivery Dates	Sep 2011	Sep 2012	Sep 2013				
Manufacturer Name: GDC4S - KG-175A ; KG-175D				Manufacturer Location: Needham, MA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 7			

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy						<b>Date:</b> February 2012	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15			<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)			<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Afloat - 3	
<b>Models of Systems Affected:</b> [No Model Specified]		<b>Type Modification:</b> [No Modification Type Specified]			<b>Related RDT&amp;E PEs:</b> 0303140N		
<b>Manufacturer Information: Communications Security (COMSEC / CRYPTO) - Afloat</b>							
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012	Feb 2013				
Delivery Dates	Sep 2011	Sep 2012	Sep 2013				
Manufacturer Name: Rockwell Collins - KG-3X				Manufacturer Location: Richardson, TX			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012	Feb 2013				
Delivery Dates	Sep 2011	Sep 2012	Sep 2013				
Manufacturer Name: L3 -KGV-136B				Manufacturer Location: Camden, NJ			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012	Feb 2013				
Delivery Dates	Sep 2011	Sep 2012	Sep 2013				
Manufacturer Name: L3 - 3042 Enclosures; 3040 Enclosures; 3036 Enclosures				Manufacturer Location: Handover, MD			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012	Feb 2013				
Delivery Dates	Sep 2011	Sep 2012	Sep 2013				
Manufacturer Name: VACM - Pending Contract Award by the Air Force				Manufacturer Location: New MFG - Loc			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 0			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Afloat - 3

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Communications Security (COMSEC / CRYPTO) - Afloat
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	141	26.936	41	1.544	-	-	-	-	-	-	-	-
FY 2011	-	-	-	-	100	13.021	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	91	13.883	0	0.000	91	13.883
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>141</b>	<b>26.936</b>	<b>41</b>	<b>1.544</b>	<b>100</b>	<b>13.021</b>	<b>91</b>	<b>13.883</b>	<b>0</b>	<b>0.000</b>	<b>91</b>	<b>13.883</b>

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	182	28.480
FY 2011	-	-	-	-	-	-	-	-	-	-	100	13.021
FY 2012	-	-	-	-	-	-	-	-	-	-	91	13.883
FY 2013	88	12.830	-	-	-	-	-	-	-	-	88	12.830
FY 2014	-	-	306	21.329	-	-	-	-	-	-	306	21.329
FY 2015	-	-	-	-	203	16.366	-	-	-	-	203	16.366
FY 2016	-	-	-	-	-	-	187	8.598	-	-	187	8.598
FY 2017	-	-	-	-	-	-	-	-	6	0.000	6	0.000
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>88</b>	<b>12.830</b>	<b>306</b>	<b>21.329</b>	<b>203</b>	<b>16.366</b>	<b>187</b>	<b>8.598</b>	<b>6</b>	<b>0.000</b>	<b>1,163</b>	<b>114.507</b>

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy																							<b>Date:</b> February 2012								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15										<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)										<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Afloat - 3											
<b>Models of Systems Affected:</b> [No Model Specified]										<b>Type Modification:</b> [No Modification Type Specified]										<b>Related RDT&amp;E PEs:</b> 0303140N											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Method										<b>Installation Name:</b> Communications Security (COMSEC / CRYPTO) - Afloat											
<b>Installation Schedule</b>																															
	<b>APY</b>	<b>FY 2011</b>				<b>FY 2012</b>				<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>TC</b>	<b>Tot</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>TC</b>	<b>Tot</b>
In	141	17	8	8	8	25	25	25	25	22	23	23	23	22	22	22	22	77	76	77	76	51	51	51	50	47	47	47	46	6	1,163
Out	141	17	8	8	8	25	25	25	25	22	23	23	23	22	22	22	22	77	76	77	76	51	51	51	50	47	47	47	46	6	1,163
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - KOK 23										<b>Installation Quantity:</b> 42											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - KG 175D										<b>Installation Quantity:</b> 2599											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - KG3X Suites (KG 333, KGV 361, A kit, B kit, ECU RC, Airborne Mount)										<b>Installation Quantity:</b> 30											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - KGV 136B										<b>Installation Quantity:</b> 952											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - KG 40AR SUITES										<b>Installation Quantity:</b> 115											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - KG 45A										<b>Installation Quantity:</b> 268											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - KIV 7M										<b>Installation Quantity:</b> 1360											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - VACM (KYV 5M, KY100M, KY99M, KY57M, KY58M)										<b>Installation Quantity:</b> 2381											
<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Afloat										<b>Method of Implementation:</b> Not Installed - 3040 Encl										<b>Installation Quantity:</b> 44											

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Communications Security (COMSEC / CRYPTO) - Shore - 4

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	310.033	16.724	27.372	20.752	0.000	20.752	33.391	25.377	33.833	41.096	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	310.033	16.724	27.372	20.752	0.000	20.752	33.391	25.377	33.833	41.096	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>310.033</b>	<b>16.724</b>	<b>27.372</b>	<b>20.752</b>	<b>0.000</b>	<b>20.752</b>	<b>33.391</b>	<b>25.377</b>	<b>33.833</b>	<b>41.096</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

DA071/DA776

Procurements within the COMSEC / CRYPTO legacy and modernization equipment lines include: KIV-7M (Replacing WALBURN, COMSEC Crypto Serial Replacement, KW-46 and AN-PYQ-20(v)(c) (formerly KL-51 Crypto devices, and crypto that supports the P-173 MILCON), KW-46M algorithm license, Cryptographic Universal Enclosures (CUE), KGV-136B, KG-3X (KG-333, KG-334, KG-361), KOV-14 and Inline Network Encryptors (INE), KG-175A and KG-175D, KG-45A, KOV-26 (TALON), KIV-54, KG 40AR, KO2 Enclosure replacement (HNF 2/HNF 3), KGV-135A, AN-PYQ-20(v)(c) kits (Hard drive, Suitcase, and Components), Cryptographic Logon (CLO), Combat Key Generator (KOK-23), associated ancillary testers, rack mounts and parts, production support, integration, and installation are also included. Starting in FY11, the COMSEC line will include Secure Voice. Secure Voice is a collection of next generation Secure Voice products and Legacy which includes various configurations of modernization products such as office, tactical, wireless, remote, telephony and tactical crypto equipment. VINSON ANDVT Crypto Modernization (VACM) is a multi service, United States Air Force (USAF) led, effort to modernize KY-57, KY-58, KY-99, KY-100, and KYV-5 legacy devices in the Navy, United States Coast Guard (USCG) and United States Marine Corps (USMC). Procurement for the devices starts in FY12. Secure Voice also supports AN/USC-43(V)M, Tactical Shore Gateway (TSG) Internet Protocol (IP), Navy Certificate Validation Infrastructure (NCVI) Cards and associated ancillary products.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy										<b>Date:</b> February 2012			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15				<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)						<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Shore - 4			
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b> 0303140N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
Communications Security (COMSEC / CRYPTO) - Shore													
B Kits													
Recurring													
2.1.1) KG 175D - Organic <sup>(5)</sup>	-	-	49	0.494	120	1.339	-	-	-	-	-	-	
2.1.2) KG 175A - Organic	-	-	14	0.527	50	1.408	-	-	-	-	-	-	
2.1.3) KG3X Suites (KG 333, KGV 361, A kit, B kit, ECU RC, Airborne Mount) - Organic	6	0.990	-	-	24	3.297	-	-	-	-	-	-	
2.1.4) KGV 136B AND 135B CRK - Organic	236	2.909	255	3.281	-	-	-	-	-	-	-	-	
2.1.5) VACM (KYV 5M, KY100M, KY99M, KY57M, KY58M) - Organic	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.6) PY Equipment - NonOrganic	57	266.762	-	-	-	-	-	-	-	-	-	-	
2.1.8) Crypto - COMSEC Crypto Serial Replacement - NonOrganic	26	5.199	-	-	93	17.769	-	-	-	-	-	-	
2.1.9) Crypto - Sub CM CSRR - NonOrganic	13	6.800	1	0.600	-	-	-	-	-	-	-	-	
2.1.11) Crypto - VACM - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.12) Crypto - P-173 MILCON - NonOrganic	-	-	1	3.672	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		282.660		8.574		23.813		0.000		0.000		0.000	
<i>Total, Communications Security (COMSEC / CRYPTO) - Shore</i>	338	282.660	320	8.574	287	23.813	-	-	-	-	-	-	
<i>Total, All Modifications</i>		282.660		8.574		23.813		0.000		0.000		0.000	
<b>Support</b>													
3.1) Communications Security (COMSEC / CRYPTO) - Shore Production Support	-	3.016	-	0.472	-	1.301	-	-	-	-	-	-	
3.2) Communications Security (COMSEC / CRYPTO) - Shore Pre-Design Install Planning	-	1.823	-	0.528	-	2.258	-	-	-	-	-	-	
<i>Total Support Cost</i>		4.839		1.000		3.559		0.000		0.000		0.000	
<i>Procurement Cost (Procurement + Support)</i>		287.499		9.574		27.372		0.000		0.000		0.000	
<i>Total Installation Cost</i>		22.534		7.150		0.000		20.752		0.000		20.752	
<b>Total Cost (Procurement + Support + Installation)</b>		310.033		16.724		27.372		20.752		0.000		20.752	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy									<b>Date:</b> February 2012				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15				<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Shore - 4				
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0303140N						
Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
Communications Security (COMSEC / CRYPTO) - Shore													
B Kits													
Recurring													
2.1.1) KG 175D - Organic <sup>(5)</sup>	-	-	-	-	-	-	-	-	-	-	169	1.833	
2.1.2) KG 175A - Organic	-	-	-	-	-	-	-	-	-	-	64	1.935	
2.1.3) KG3X Suites (KG 333, KGV 361, A kit, B kit, ECU RC, Airborne Mount) - Organic	-	-	-	-	-	-	-	-	-	-	30	4.287	
2.1.4) KGV 136B AND 135B CRK - Organic	-	-	-	-	-	-	-	-	-	-	491	6.190	
2.1.5) VACM (KYV 5M, KY100M, KY99M, KY57M, KY58M) - Organic	4,863	29.108	104	1.145	504	2.257	1,762	33.504	Continuing	Continuing	Continuing	Continuing	
2.1.6) PY Equipment - NonOrganic	-	-	-	-	-	-	-	-	-	-	57	266.762	
2.1.8) Crypto - COMSEC Crypto Serial Replacement - NonOrganic	10	1.249	-	-	-	-	-	-	-	-	129	24.217	
2.1.9) Crypto - Sub CM CSRR - NonOrganic	-	-	-	-	-	-	-	-	-	-	14	7.400	
2.1.11) Crypto - VACM - NonOrganic	2	0.759	28	18.981	79	22.957	-	-	-	-	109	42.697	
2.1.12) Crypto - P-173 MILCON - NonOrganic	-	-	-	-	-	-	-	-	-	-	1	3.672	
<i>Subtotal Recurring</i>		31.116		20.126		25.214		33.504		0.000		358.993	
<i>Total, Communications Security (COMSEC / CRYPTO) - Shore</i>	4,875	31.116	132	20.126	583	25.214	1,762	33.504	Continuing	Continuing	Continuing	Continuing	
<i>Total, All Modifications</i>		31.116		20.126		25.214		33.504		0.000		0.000	
<b>Support</b>													
3.1) Communications Security (COMSEC / CRYPTO) - Shore Production Support	-	1.725	-	1.126	-	1.454	-	1.997	Continuing	Continuing	Continuing	Continuing	
3.2) Communications Security (COMSEC / CRYPTO) - Shore Pre-Design Install Planning	-	0.550	-	2.525	-	3.890	-	0.270	Continuing	Continuing	Continuing	Continuing	
<i>Total Support Cost</i>		2.275		3.651		5.344		2.267		0.000		0.000	
<i>Procurement Cost (Procurement + Support)</i>		33.391		23.777		30.558		35.771		0.000		0.000	
<i>Total Installation Cost</i>		0.000		1.600		3.275		5.325		0.000		60.636	
<b>Total Cost (Procurement + Support + Installation)</b>		<b>33.391</b>		<b>25.377</b>		<b>33.833</b>		<b>41.096</b>		<b>0.000</b>		<b>60.636</b>	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy						<b>Date:</b> February 2012	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15			<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)			<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Shore - 4	
<b>Models of Systems Affected:</b> [No Model Specified]		<b>Type Modification:</b> [No Modification Type Specified]			<b>Related RDT&amp;E PEs:</b> 0303140N		
<b>Remarks:</b> <sup>(5)</sup> 1. COMSEC/Crypto procurement quantities represent units, devices and/or install kits. Unit costs vary from \$11K for KG 175D to \$189K for COMSEC Serial Replacement at Shore sites. Depending on the device and quantity procured, unit cost can fluctuate widely from year to year. 2. Represents equipment procured by COMSEC but installation is funded by the cognizant Programs and Services direction. 3. ALT includes NSA's contract leadtime. 4. VACM procurement unit costs based on UASF estimates.							
<b>Manufacturer Information: Communications Security (COMSEC / CRYPTO) - Shore</b>							
Manufacturer Name: SafeNet - KIV-7M				Manufacturer Location: Torrance, CA			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012					
Delivery Dates	Sep 2011	Sep 2012					
Manufacturer Name: GDC4S - KG-175A; KG-175D				Manufacturer Location: Needham, MA			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012					
Delivery Dates	Sep 2011	Sep 2012					
Manufacturer Name: Rockwell Collins - KG-3X				Manufacturer Location: Richardson, TX			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012					
Delivery Dates	Sep 2011	Sep 2012					
Manufacturer Name: L3 - KGV-136B				Manufacturer Location: Camden, NJ			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012					
Delivery Dates	Sep 2011	Sep 2012					
Manufacturer Name: L3 - 3042 Enclosures; 3040 Enclosures; 3036 Enclosures				Manufacturer Location: Handover, MD			
Administrative Leadtime ( <i>in Months</i> ): 4				Production Leadtime ( <i>in Months</i> ): 7			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates	Feb 2011	Feb 2012					



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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Shore - 4

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Manufacturer Information: Communications Security (COMSEC / CRYPTO) - Shore</b>							
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Delivery Dates	Sep 2011	Sep 2012					
Manufacturer Name: VACM - Pending Contract Award by the Air Force				Manufacturer Location: New MFG - Loc			
Administrative Leadtime ( <i>in Months</i> ): 0				Production Leadtime ( <i>in Months</i> ): 0			
<b>Dates</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
Contract Dates							
Delivery Dates							

<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Shore			<b>Method of Implementation:</b> Method				<b>Installation Name:</b> Communications Security (COMSEC / CRYPTO) - Shore				
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<b>Installation Cost</b>	<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	83	22.534	39	5.642	-	-	-	-	-	-	-	-
FY 2011	-	-	1	1.508	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	-	-	93	20.752	0	0.000	93	20.752
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	83	22.534	40	7.150	-	-	93	20.752	0	0.000	93	20.752

<b>Installation Cost</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>	<i>Qty (Each)</i>	<i>Total Cost (\$ M)</i>
All Prior Years	-	-	-	-	-	-	-	-	-	-	122	28.176
FY 2011	-	-	-	-	-	-	-	-	-	-	1	1.508
FY 2012	-	-	-	-	-	-	-	-	-	-	93	20.752

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Communications Security (COMSEC / CRYPTO) - Shore - 4

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Shore	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Communications Security (COMSEC / CRYPTO) - Shore
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2013	-	-	-	-	-	-	-	-	-	-	-	-
FY 2014	-	-	12	1.600	-	-	-	-	-	-	12	1.600
FY 2015	-	-	-	-	28	3.275	-	-	-	-	28	3.275
FY 2016	-	-	-	-	-	-	79	5.325	-	-	79	5.325
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	12	1.600	28	3.275	79	5.325	-	-	335	60.636

Installation Schedule																															
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	83	1	-	-	-	-	-	-	-	24	23	23	23	-	-	-	-	3	3	3	3	7	7	7	7	20	20	20	19	-	296
Out	83	1	-	-	-	-	-	-	-	24	23	23	23	-	-	-	-	3	3	3	3	7	7	7	7	20	20	20	19	-	296

<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Shore	<b>Method of Implementation:</b> Not Installed - KG 175D	<b>Installation Quantity:</b> 169
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<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Shore	<b>Method of Implementation:</b> Not Installed - KG 175A	<b>Installation Quantity:</b> 64
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<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Shore	<b>Method of Implementation:</b> Not Installed - KG3X Suites (KG 333, KGV 361, A kit, B kit, ECU RC, Airborne Mount)	<b>Installation Quantity:</b> 30
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<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Shore	<b>Method of Implementation:</b> Not Installed - KGV 136B AND 135B CRK	<b>Installation Quantity:</b> 491
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<b>Installation:</b> Communications Security (COMSEC / CRYPTO) - Shore	<b>Method of Implementation:</b> Not Installed - VACM (KYV 5M, KY100M, KY99M, KY57M, KY58M)	<b>Installation Quantity:</b> 7233
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl - 5

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	30.036	3.741	2.906	8.486	0.000	8.486	8.832	8.757	8.318	0.000	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	30.036	3.741	2.906	8.486	0.000	8.486	8.832	8.757	8.318	0.000	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	30.036	3.741	2.906	8.486	0.000	8.486	8.832	8.757	8.318	0.000	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

EKMS Phase V is a collection of next generation EKMS products to upgrade and replace the capabilities of the: Communications Security (COMSEC) Manager Work Station (CMWS), Manager Client Advanced Key Processor (MGC/AKP), Secure Data Systems (SDS), Simple Key Loaders (SKLs), Data Management Devices (DMDs), Key Processors (KP), Tactical Key Loaders (TKL). Key Management Infrastructure (KMI) includes MGC/AKP, High Assurance Internet Protocol Equipment (HAPE) devices, Next Generation Key Fill Devices, and associated ancillary products such as printers, tape drives and fill cables.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15				<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl - 5					
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]					<b>Related RDT&amp;E PEs:</b> 0303140N					
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl													
B Kits													
Recurring													
2.1.1) EKMS SKL - Organic <sup>(6)</sup>	2,290	21.750	293	0.615	383	1.142	911	2.823	-	-	911	2.823	
2.1.2) EKMS Equip Nonrecurring (HAIPE Cables) - Organic	-	-	100	0.170	-	-	-	-	-	-	-	-	
2.1.3) KMI Install Kits (Mounting Brackets) - Organic	-	-	272	0.845	-	-	-	-	-	-	-	-	
2.1.4) KMI MGC/AKP/HAIPE - Organic	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.5) KMI Next Generation Fill Device - Organic	-	-	-	-	-	-	100	0.220	-	-	100	0.220	
2.1.6) EKMS PY Equipment - NonOrganic	103	0.103	-	-	-	-	-	-	-	-	-	-	
2.1.7) EKMS Enhanced Storage Backup Hard drive (Note 1) - NonOrganic	81	0.081	76	0.076	133	0.133	-	-	-	-	-	-	
2.1.8) KMI MGC/AKP/HAIPE (Note 2) - NonOrganic	-	-	-	-	-	-	103	3.090	-	-	103	3.090	
2.1.9) KMI MGC/AKP (Note 2) - NonOrganic	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.10) Interim Contractor Support - Organic	-	0.717	-	0.358	-	-	-	-	-	-	-	-	
2.1.11) Training Equipment - Organic	-	0.782	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		23.433		2.064		1.275		6.133		0.000		6.133	
<i>Total, Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl</i>	2,474	23.433	741	2.064	516	1.275	1,114	6.133	-	-	1,114	6.133	
<i>Total, All Modifications</i>		23.433		2.064		1.275		6.133		0.000		6.133	
<b>Support</b>													
3.1) EKMS Production Support	-	1.652	-	0.124	-	0.087	-	0.301	-	-	-	0.301	
3.2) EKMS DSA	-	1.461	-	0.414	-	0.587	-	0.852	-	-	-	0.852	
<i>Total Support Cost</i>		3.113		0.538		0.674		1.153		0.000		1.153	
<i>Procurement Cost (Procurement + Support)</i>		26.546		2.602		1.949		7.286		0.000		7.286	
<i>Total Installation Cost</i>		3.490		1.139		0.957		1.200		0.000		1.200	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy									<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15				<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)					<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl - 5					
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0303140N							
<b>Financial Plan</b>			<b>Prior Years</b>		<b>FY 2011</b>		<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	
			<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )
<b>Total Cost (Procurement + Support + Installation)</b>				30.036		3.741		2.906		8.486		0.000		8.486
<b>Financial Plan</b>			<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>To Complete</b>		<b>Total</b>	
			<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M )
<b>Procurement</b>														
Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl														
B Kits														
Recurring														
2.1.1) EKMS SKL - Organic <sup>(6)</sup>			-	-	-	-	-	-	-	-	-	-	3,877	26.330
2.1.2) EKMS Equip Nonrecurring (HAIPE Cables) - Organic			-	-	-	-	-	-	-	-	-	-	100	0.170
2.1.3) KMI Install Kits (Mounting Brackets) - Organic			-	-	-	-	-	-	-	-	-	-	272	0.845
2.1.4) KMI MGC/AKP/HAIPE - Organic			34	0.986	101	3.030	105	3.150	-	-	-	-	240	7.166
2.1.5) KMI Next Generation Fill Device - Organic			1,567	3.448	1,800	3.960	2,127	4.679	-	-	Continuing	Continuing	Continuing	Continuing
2.1.6) EKMS PY Equipment - NonOrganic			-	-	-	-	-	-	-	-	-	-	103	0.103
2.1.7) EKMS Enhanced Storage Backup Hard drive (Note 1) - NonOrganic			-	-	-	-	-	-	-	-	-	-	290	0.290
2.1.8) KMI MGC/AKP/HAIPE (Note 2) - NonOrganic			43	1.290	19	0.570	-	-	-	-	-	-	165	4.950
2.1.9) KMI MGC/AKP (Note 2) - NonOrganic			-	-	-	-	-	-	-	0.000	Continuing	Continuing	Continuing	Continuing
2.1.10) Interim Contractor Support - Organic			-	-	-	-	-	-	-	-	-	-	-	1.075
2.1.11) Training Equipment - Organic			-	-	-	-	-	-	-	-	-	-	-	0.782
<i>Subtotal Recurring</i>				5.724		7.560		7.829		0.000		0.000		41.711
<i>Total, Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl</i>			1,644	5.724	1,920	7.560	2,232	7.829	-	-	Continuing	Continuing	Continuing	Continuing
<i>Total, All Modifications</i>				5.724		7.560		7.829		0.000		0.000		0.000
<b>Support</b>														
3.1) EKMS Production Support			-	0.280	-	0.372	-	0.275	-	-	Continuing	Continuing	Continuing	Continuing

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl - 5

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
3.2) EKMS DSA	-	0.524	-	0.293	-	0.214	-	-	Continuing	Continuing	Continuing	Continuing
<b>Total Support Cost</b>		0.804		0.665		0.489		0.000		0.000		0.000
<b>Procurement Cost (Procurement + Support)</b>		6.528		8.225		8.318		0.000		0.000		0.000
<b>Total Installation Cost</b>		2.304		0.532		0.000		0.000		0.000		9.622
<b>Total Cost (Procurement + Support + Installation)</b>		8.832		8.757		8.318		0.000		0.000		9.622

**Remarks:**

- (6) 1. EKMS Enhanced Storage Backup Hard drives are Commercial Off the Shelf (COTS) equipment. ALT is 0 months and PLT is 1 month. All other EKMS systems have 4 month ALT and 2 month PLT.
- 2. KMI requires system replacement every five years. The FY17 procurement of 125 KMI MGC/AKP replaces the 125 procured in FY12.
- 3. Admin lead time includes NSA's contract lead times.
- 4. KMI Production Leadtime (5 Months) includes an additional month for KMI Integration and Pre-Installation Test and Checkout (PITCO).

**Manufacturer Information: Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl**

Manufacturer Name: Army Managed - EKMS Simple Key Loader (SKL)	Manufacturer Location: Army Managed
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 2

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Oct 2010	Oct 2011	Feb 2013				
Delivery Dates	Nov 2010	Nov 2011	Nov 2013				

Manufacturer Name: Harris Corp - Tactical Key Loader	Manufacturer Location: New MFG - Loc
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 2

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Oct 2010	Oct 2011	Feb 2013				
Delivery Dates	Nov 2010	Nov 2011	Apr 2013				

Manufacturer Name: NSA Contract - KMI MGC/AKP/HAIZE	Manufacturer Location: New MFG - Loc
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 5

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Feb 2013				
Delivery Dates		Jul 2012	Jul 2013				

Manufacturer Name: Army Managed - KMI Next Generation Fill Device	Manufacturer Location: Army Managed
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl - 5

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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**Manufacturer Information:** Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl

Administrative Leadtime (*in Months*): 5      Production Leadtime (*in Months*): 5

Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Feb 2013				
Delivery Dates		Jul 2012	Jul 2013				

<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	184	3.490	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	76	1.139	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	133	0.957	-	-	-	-	-	-
FY 2013	-	-	-	-	-	-	50	1.200	0	0.000	50	1.200
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	184	3.490	76	1.139	133	0.957	50	1.200	0	0.000	50	1.200

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	184	3.490
FY 2011	-	-	-	-	-	-	-	-	-	-	76	1.139
FY 2012	-	-	-	-	-	-	-	-	-	-	133	0.957
FY 2013	53	1.272	-	-	-	-	-	-	-	-	103	2.472
FY 2014	43	1.032	-	-	-	-	-	-	-	-	43	1.032

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl - 5

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl
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Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2015	-	-	19	0.532	-	-	-	-	-	-	19	0.532
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	96	2.304	19	0.532	-	-	-	-	-	-	558	9.622

Installation Schedule																																
	APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	184	19	19	19	19	37	38	21	37	-	-	-	50	14	16	23	43	-	-	-	19	-	-	-	-	-	-	-	-	-	-	558
Out	184	19	19	19	19	37	38	21	37	-	-	-	50	14	16	23	43	-	-	-	19	-	-	-	-	-	-	-	-	-	-	558

<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl	<b>Method of Implementation:</b> Not Installed - EKMS SKL	<b>Installation Quantity:</b> 3877
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<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl	<b>Method of Implementation:</b> Not Installed - EKMS Equip Nonrecurring (HAIZE Cables)	<b>Installation Quantity:</b> 100
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<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl	<b>Method of Implementation:</b> Not Installed - KMI Install Kits (Mounting Brackets)	<b>Installation Quantity:</b> 272
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<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl	<b>Method of Implementation:</b> Not Installed - KMI MGC/AKP/HAIZE	<b>Installation Quantity:</b> 240
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<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key Management Infrastructure (KMI) - Afl	<b>Method of Implementation:</b> Not Installed - KMI Next Generation Fill Device	<b>Installation Quantity:</b> 5594
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6

**Models of Systems Affected:** [No Model Specified]    **Type Modification:** [No Modification Type Specified]    **Related RDT&E PEs:** 0303140N

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	16.135	10.489	21.962	21.961	0.000	21.961	21.153	20.729	15.830	22.570	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	16.135	10.489	21.962	21.961	0.000	21.961	21.153	20.729	15.830	22.570	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	16.135	10.489	21.962	21.961	0.000	21.961	21.153	20.729	15.830	22.570	Continuing	Continuing

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

EKMS Phase V is a collection of next generation EKMS products to upgrade and replace the capabilities of the: Communications Security (COMSEC) Manager Work Station (CMWS), Manager Client Advanced Key Processor (MGC/AKP), Secure Data Systems (SDS), Simple Key Loaders (SKLs), Data Management Devices (DMDs), Key Processors (KP), Tactical Key Loaders (TKL). Key Management Infrastructure (KMI) includes Workstations- MGC/AKP, High Assurance Internet Protocol Equipment (HAIPE) devices, Next Generation Key Fill Devices, and associated ancillary products such as printers, tape drives and fill cables.

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy								<b>Date:</b> February 2012					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15				<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)				<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6					
<b>Models of Systems Affected:</b> [No Model Specified]			<b>Type Modification:</b> [No Modification Type Specified]				<b>Related RDT&amp;E PEs:</b> 0303140N						
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	
<b>Procurement</b>													
Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho													
B Kits													
Recurring													
2.1.1) EKMS SKL - Organic <sup>(7)</sup>	684	1.436	3,070	6.978	766	2.247	1,644	5.095	-	-	1,644	5.095	
2.1.2) EKMS Equip Nonrecurring (SKL,TKL, HAIPE Cables) - Organic	-	-	316	0.494	-	-	-	-	-	-	-	-	
2.1.3) EKMS Tier 1 HW/SW (Note 1) - Organic	-	-	-	0.595	-	-	-	-	-	-	-	-	
2.1.4) TKL (LRIP and FRP Units) - Organic	1,800	5.951	-	-	1,800	3.917	450	1.459	-	-	450	1.459	
2.1.5) KMI Next Generation Fill Device - Organic	-	-	-	-	-	-	395	0.869	-	-	395	0.869	
2.1.6) KMI MGC/AKP/HAIPE - Organic	-	-	-	-	-	-	80	2.402	-	-	80	2.402	
2.1.7) KMI AKP Only (Note 2) - Organic	-	-	-	-	-	-	100	0.869	-	-	100	0.869	
2.1.8) EKMS Enhanced Storage Backup Hard drive - NonOrganic	206	0.901	124	0.124	57	0.057	-	-	-	-	-	-	
2.1.9) KMI MGC/AKP/HAIPE (Note 3) - NonOrganic	-	-	-	-	114	3.401	161	4.725	-	-	161	4.725	
2.1.10) KMI MGC/AKP (NOTE 3,4) - NonOrganic	-	-	-	-	250	5.500	-	-	-	-	-	-	
2.1.11) Engineering Change Orders - Organic	-	0.525	-	0.576	-	0.580	-	0.644	-	-	-	0.644	
2.1.12) Data - Organic	-	0.750	-	-	-	-	-	-	-	-	-	-	
2.1.13) Interim Contractor Support - Organic	-	0.247	-	-	-	-	-	-	-	-	-	-	
2.1.14) Training Equipment - Organic	-	0.510	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal Recurring</i>		10.320		8.767		15.702		16.063		0.000		16.063	
<i>Total, Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho</i>	2,690	10.320	3,510	8.767	2,987	15.702	2,830	16.063	-	-	2,830	16.063	
<i>Total, All Modifications</i>		10.320		8.767		15.702		16.063		0.000		16.063	
<b>Support</b>													
3.1) EKMS Production Support	-	0.898	-	0.731	-	0.850	-	0.795	-	-	-	0.795	
3.2) Pre-Design Install Planning	-	0.767	-	-	-	0.298	-	0.483	-	-	-	0.483	

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N										
Financial Plan	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
Total Support Cost		1.665		0.731		1.148		1.278		0.000		1.278
Procurement Cost (Procurement + Support)		11.985		9.498		16.850		17.341		0.000		17.341
Total Installation Cost		4.150		0.991		5.112		4.620		0.000		4.620
<b>Total Cost (Procurement + Support + Installation)</b>		<b>16.135</b>		<b>10.489</b>		<b>21.962</b>		<b>21.961</b>		<b>0.000</b>		<b>21.961</b>

Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )	Qty (Each)	Total Cost (\$ M )
<b>Procurement</b>												
Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho												
B Kits												
Recurring												
2.1.1) EKMS SKL - Organic <sup>(7)</sup>	-	-	-	-	-	-	-	-	-	-	6,164	15.756
2.1.2) EKMS Equip Nonrecurring (SKL,TKL, HAIPE Cables) - Organic	-	-	-	-	-	-	-	-	-	-	316	0.494
2.1.3) EKMS Tier 1 HW/SW (Note 1) - Organic	-	0.709	-	-	-	-	-	0.900	-	-	-	2.204
2.1.4) TKL (LRIP and FRP Units) - Organic	450	1.459	-	-	-	-	-	-	-	-	4,500	12.786
2.1.5) KMI Next Generation Fill Device - Organic	2,993	6.094	4,541	9.990	4,138	9.226	3	7.706	Continuing	Continuing	Continuing	Continuing
2.1.6) KMI MGC/AKP/HAIPE - Organic	20	0.600	-	-	-	-	-	-	-	-	100	3.002
2.1.7) KMI AKP Only (Note 2) - Organic	-	-	-	-	39	0.507	-	-	-	-	139	1.376
2.1.8) EKMS Enhanced Storage Backup Hard drive - NonOrganic	-	-	-	-	-	-	-	-	-	-	387	1.082
2.1.9) KMI MGC/AKP/HAIPE (Note 3) - NonOrganic	219	6.417	102	3.059	60	1.804	114	3.534	-	-	770	22.940
2.1.10) KMI MGC/AKP (NOTE 3,4) - NonOrganic	-	-	-	-	-	-	250	7.750	-	-	500	13.250
2.1.11) Engineering Change Orders - Organic	-	0.654	-	0.720	-	0.649	-	-	-	-	-	4.348
2.1.12) Data - Organic	-	-	-	-	-	-	-	-	-	-	-	0.750
2.1.13) Interim Contractor Support - Organic	-	-	-	-	-	-	-	-	-	-	-	0.247

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature (Modification Title, Modification Number):</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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Financial Plan	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2.1.14) Training Equipment - Organic	-	-	-	-	-	-	-	-	-	-	-	0.510
<i>Subtotal Recurring</i>		15.933		13.769		12.186		19.890		0.000		78.745
<i>Total, Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho</i>	3,682	15.933	4,643	13.769	4,237	12.186	367	19.890	<i>Continuing</i>	<i>Continuing</i>	<i>Continuing</i>	<i>Continuing</i>
<i>Total, All Modifications</i>		15.933		13.769		12.186		19.890		0.000		0.000
<b>Support</b>												
3.1) EKMS Production Support	-	0.820	-	0.828	-	0.707	-	0.705	<i>Continuing</i>	<i>Continuing</i>	<i>Continuing</i>	<i>Continuing</i>
3.2) Pre-Design Install Planning	-	0.200	-	0.168	-	0.536	-	0.175	<i>Continuing</i>	<i>Continuing</i>	<i>Continuing</i>	<i>Continuing</i>
<i>Total Support Cost</i>		1.020		0.996		1.243		0.880		0.000		0.000
<i>Procurement Cost (Procurement + Support)</i>		16.953		14.765		13.429		20.770		0.000		0.000
<i>Total Installation Cost</i>		4.200		5.964		2.401		1.800		0.000		0.000
<b>Total Cost (Procurement + Support + Installation)</b>		<b>21.153</b>		<b>20.729</b>		<b>15.830</b>		<b>22.570</b>		<b>0.000</b>		<b>0.000</b>

**Remarks:**

- (7)1. Navy Fair Share of Tri Service Suite of equipment.
2. KMI AKP Only required for NSA mandatory recertification of AKP on 3 year rotational cycle.
3. KMI requires system replacement every five years. The FY17 procurement of 364 KMI MGC/AKP and MGC/AKP/HAIPE replaces the 364 procured in FY12
4. FY11 procurement of 57 KMI MGC/AKP LRIP Production Units are delayed from 3QFY11 to 1QFY12 due to NSA Schedule Changes . KMI LRIP units will be procured and delivered in FY12.
5. EKMS Enhanced Storage Backup Hard drives are Commercial Off the Shelf (COTS) equipment. ALT is 0 months and PLT is 1 month. All other EKMS systems have 4 month ALT and 2 month PLT.
6. KMI ALT includes NSA contract leadtime.
7. KMI PLT (5 Months) includes an additional month for KMI Integration and Pre-Installation Test and Checkout (PITCO).

**Manufacturer Information: Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho**

Manufacturer Name: Army Managed - EKMS Simple Key Loader (SKL)				Manufacturer Location: Army Managed			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 2			
Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Oct 2010	Oct 2011	Feb 2013				
Delivery Dates	Nov 2010	Nov 2011	Apr 2013				
Manufacturer Name: Harris Corp - EKMS Tactical Key Loader (TKL)				Manufacturer Location: New MFG - Loc			

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> <i>(Modification Title, Modification Number):</i> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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**Manufacturer Information: Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho**

Administrative Leadtime <i>(in Months)</i> : 4	Production Leadtime <i>(in Months)</i> : 2
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates	Oct 2010	Oct 2011	Feb 2013				
Delivery Dates	Nov 2010	Nov 2011	Apr 2013				

Manufacturer Name: NSA Contract - KMI MGC/AKP/HAIBE	Manufacturer Location: New MFG - Loc
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Administrative Leadtime <i>(in Months)</i> : 5	Production Leadtime <i>(in Months)</i> : 5
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Feb 2013				
Delivery Dates		Jul 2012	Jul 2013				

Manufacturer Name: Army Managed - KMI Next Generation Fill Device	Manufacturer Location: Army Managed
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Administrative Leadtime <i>(in Months)</i> : 5	Production Leadtime <i>(in Months)</i> : 5
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Dates	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Contract Dates		Feb 2012	Feb 2013				
Delivery Dates		Jul 2012	Jul 2013				

<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	206	4.150	-	-	-	-	-	-	-	-	-	-
FY 2011	-	-	124	0.991	-	-	-	-	-	-	-	-
FY 2012	-	-	-	-	284	5.112	137	2.740	0	0.000	137	2.740
FY 2013	-	-	-	-	-	-	94	1.880	0	0.000	94	1.880
FY 2014	-	-	-	-	-	-	-	-	-	-	-	-
FY 2015	-	-	-	-	-	-	-	-	-	-	-	-
FY 2016	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6

<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
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<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho	<b>Method of Implementation:</b> Method	<b>Installation Name:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho
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Installation Cost	Prior Years		FY 2011		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
FY 2017	-	-	-	-	-	-	-	-	-	-	-	-
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	206	4.150	124	0.991	284	5.112	231	4.620	0	0.000	231	4.620

Installation Cost	FY 2014		FY 2015		FY 2016		FY 2017		To Complete		Total	
	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
All Prior Years	-	-	-	-	-	-	-	-	-	-	206	4.150
FY 2011	-	-	-	-	-	-	-	-	-	-	124	0.991
FY 2012	-	-	-	-	-	-	-	-	-	-	421	7.852
FY 2013	67	1.608	-	-	-	-	-	-	-	-	161	3.488
FY 2014	108	2.592	111	3.107	-	-	-	-	-	-	219	5.699
FY 2015	-	-	102	2.857	-	-	-	-	-	-	102	2.857
FY 2016	-	-	-	-	60	2.401	-	-	-	-	60	2.401
FY 2017	-	-	-	-	-	-	45	1.800	Continuing	Continuing	Continuing	Continuing
To Complete	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	175	4.200	213	5.964	60	2.401	45	1.800	Continuing	Continuing	Continuing	Continuing

Installation Schedule																															
APY	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				TC	Tot	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
In	206	-	39	39	46	26	26	5	227	55	49	33	94	61	3	3	108	54	23	34	102	-	-	-	60	-	-	-	45	319	1,657
Out	206	-	39	39	46	26	26	5	227	55	49	33	94	61	3	3	108	54	23	34	102	-	-	-	60	-	-	-	45	319	1,657

<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho	<b>Method of Implementation:</b> Not Installed - EKMS SKL	<b>Installation Quantity:</b> 6164
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<b>Exhibit P-3A, Individual Modification:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 3415 - Info Systems Security Program (ISSP)	<b>Modification Nomenclature</b> ( <i>Modification Title, Modification Number</i> ): Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho - 6
<b>Models of Systems Affected:</b> [No Model Specified]	<b>Type Modification:</b> [No Modification Type Specified]	<b>Related RDT&amp;E PEs:</b> 0303140N
<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho	<b>Method of Implementation:</b> Not Installed - EKMS Equip Nonrecurring (SKL,TKL, HAPE Cables)	<b>Installation Quantity:</b> 316
<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho	<b>Method of Implementation:</b> Not Installed - TKL (LRIP and FRP Units)	<b>Installation Quantity:</b> 4500
<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho	<b>Method of Implementation:</b> Not Installed - KMI Next Generation Fill Device	<b>Installation Quantity:</b> 12070
<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho	<b>Method of Implementation:</b> Not Installed - KMI MGC/AKP/HAPE	<b>Installation Quantity:</b> 100
<b>Installation:</b> Electronic Key Management System (EKMS) Phase V Products / Key management Infrastructure (KMI) - Sho	<b>Method of Implementation:</b> Not Installed - KMI AKP Only (Note 2)	<b>Installation Quantity:</b> 139

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 16 : Cryptologic Equipment	<b>P-1 Line Item Nomenclature:</b> 3501 - Cryptologic Communications Equip
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	18.223	14.820	12.604	-	12.604	12.775	12.971	13.215	13.452	0.000	98.060
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	18.223	14.820	12.604	-	12.604	12.775	12.971	13.215	13.452	0.000	98.060
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	18.223	14.820	12.604	-	12.604	12.775	12.971	13.215	13.452	0.000	98.060

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[P40A / 1V045 Access Systems & Subsystems]: Cryptologic Carry-On Equipment: The Cryptologic Carry-On Program (CCOP) procures state-of-the-art, commercial off-the-shelf signal acquisition equipment (hardware and software) in response to combatant commander requirements for a quick-reaction surface, subsurface, and airborne cryptologic carry-on capability. The equipment is procured according to the overall requirements detailed in the Shipboard Information Warfare/Cryptologic System Operational Requirements Document (Serial Number: 537-06-99) of 9 Dec 99 and specific execution year fleet requirements as defined by the Signals Of Interest (SOI) Integrated Product Team (IPT). The IPT meets twice a year and determines which SOIs/Targets on the United States Fleet Forces SOI list need to be addressed. Due to a continually changing threat environment, detailed requirements are dynamic and equipment procured varies by quantity and type. Equipment suites can be configured for many targets and tasking. Target specific subsystems can either operate as stand-alone within cryptologic spaces or as an add-on to existing equipment. Hardware procurement includes: receivers, recorders, tactical computers and related peripherals, antennas, electronic-warfare support measures systems, precision geolocation equipment, advanced signal and search equipment including spectrum analyzers, Versa Module Eurocard Bus Extension Instrumentation (VXI) chassis/cards, and associated portable special intelligence communications equipment. CCOP equipment is installed as an augment to cryptologic capabilities on subsurface, surface, and air platforms. There are approximately 115 cryptologic capable surface ships in the current Navy inventory. Each of these ships are potential users of this carry-on equipment, as are numerous subsurface and air platforms. The temporary installation of equipment is coordinated through fleet electronic support personnel. A primary product of this line is the Advanced Cryptologic Carry-on Exploitation System (ACCES). The outdated SSQ-80A(V) analog systems were converted to ACCES by modernizing them with VXI-based digital signal processing capabilities and an open, modular architecture that provides flexibility and vastly increased capabilities. Funds continue to procure ACCES core architecture system upgrades to provide additional affordability to the combatant commands. Additional signal acquisition equipment to address specific combatant command requirements include such systems as Digital Receiver Technology (DRT) systems, Hostile forces Integrated Targeting Service (HITS), Maritime Toxic Pen (MTP), TURBULENTWAVE/TURBULENTWIND/TURBULENTSAIL, BLUESTREAM servers, RED FALCON/BLINDROC, STINGRAY, MUDCAT, Toxic Fog, Radio Frequency Distribution Unit (RFDU) and Generic Area Limitations Environment (GALE)-Lite. This line supports the procurement of STALLION hardware for CCOP team training.

[P40A / GDX6D - Global Signal Analysis Equipment]: Global Signal Analysis Laboratory (GSAL): The Navy GSAL program, under project name CLASSIC SENSEI, provides for the timely analysis of data derived from maritime mobile Information Warfare (IW) operations. GSAL support is conducted by Signals Analysis Laboratories (SAL) co-located with Fleet Information Operations Centers (FIOC) at theater-level analysis and processing centers and by QuickLook/Nodes forward-based at fleet concentration areas. The GSAL program office equips the SAL's with advanced signals analysis capabilities in order to accomplish the high order analysis that is required to effectively address SAL processing and exploitation requirements in support of both maritime tactical and national strategic IW objectives. Additionally, SAL's are equipped with specialized capabilities to support FIOC maritime Signal Descriptor File (SDF) requirements. Funding is required to maintain and sustain SAL operations while allowing for upgrades required to integrate new technology to accommodate the highly technical analysis requirements attendant with a highly diverse and constantly changing electromagnetic environment. Additionally, Navy SAL's are integral components of the global collaborative enterprise architecture via the GSAL LABLINK data handling subsystem. LABLINK provides for advanced data manipulation, achieving, and forwarding/exchange while providing connectivity and global reachback in support of analysis with collaborating military, national, and international partners via signal screening and processing tools resident in LABLINK. GSAL theater-level laboratories are located at NIOC Hawaii (Pacific SAL), and NIOC Ft Gordon, Georgia (Atlantic SAL). Forward-based screening and forwarding QuickLook/Nodes are located at Souda Bay,

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 16 : Cryptologic Equipment

**P-1 Line Item Nomenclature:**  
3501 - Cryptologic Communications Equip

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Crete (potential relocation within the European theater), NIOC Bahrain, and a future installation at Kadena, Japan. Other GSAL facilities are located at NIOC Yokosuka, Japan, and at the Naval Information Warfare Activity (NIWA).

[P40A / GDX8D - Surface Electronic Support Capabilities Augmentation Packages (SECAP)/ELINT]: Navy Electronic Intelligence (ELINT): Procure SECAPs a technology insertion approach, not system approach to current system capabilities. SECAP will provide tactical commanders with enhanced Electronic Support capabilities allowing for increased search, detection and data collection in support of a variety of surface ship requirements. Procure Network Centric Electronic Warfare Support which facilitates a fused tactical Electronic Warfare Support picture which facilitates an automated two-way intelligence feed of organic and non-organic ELINT for analysis and fusion utilizing Generic Area Limitation Environment (GALE) 5.0 software inside SLQ-32B consoles. This technology will enable deployed Strike Groups and Shore nodes to receive and transmit all forms of ELINT simultaneously which can cue overhead and organic sensors and populate a Common Intelligence/Common Operation Picture (CIP/COP).

[P40A / GDX6D - System Integration and Installation of Hardware and Software]: Fleet Information Operations Centers (FIOC): There are FIOCs co-located with National Security Agency (NSA) Cryptologic Centers located at Georgia, Hawaii, Maryland, Texas, Digby, United Kingdom and High Castle/CMASS each supporting the geographical Satellite Communication Network (SATCOM). Each are charged with providing regionally focused Information Operation (IO) and Signal Intelligence (SIGINT) support to Fleet Commanders. FIOCs respond to Fleet requests for IO and SIGINT personnel augmentation in theater, analytical requests, and planning in support of deliberate and crisis action planning. FIOCs leverage NSA capabilities, analysis, and manpower in support of Fleet requirements. Funds are required for purchasing and maintaining life cycle support for Global Command and Control Systems - Maritime (GCCS-M) connected to SCI networks at the FIOCs. Funds are also provided to develop and maintain a common baseline of analytical intelligence software tools supporting FIOC capability areas as defined in the FIOC operational strategy (OPSTRAT).

[P40A / GDX6D - Network Computing Environment (NCE)]: FIOC NCE provides a common, Distributed Common Ground System (DCGS) Integration Backbone (DIB)-compliant, Service Oriented Architecture framework for the hosting of network services at the FIOC's enabling Distributed Signals Intelligence/Information Operations (SIGINT/IO). NCE is the key enabler of SIGINT/IO future reachback and remoting operations from surface, airborne, and subsurface manned/unmanned platforms. Funds are required to procure, install, configure and accredit networking server framework (new or upgrade) for installation at FIOC Maryland, Texas, Hawaii, Georgia, United Kingdom and the Space and Warfare Systems Command San Diego test/integration lab. Funds are also provided for procurement of commercial software licenses.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Cryptologic Communications Equip (See enclosed P-40A)	P40A, P5A, P21				0.000			18.223			14.820			12.604			0.000			12.604
<b>Total Gross/Weapon System Cost</b>				-			<b>18.223</b>			<b>14.820</b>			<b>12.604</b>			-			<b>12.604</b>	

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**  
FY13 funds will continue to satisfy signals exploitation capability gaps as determined by the CCOP Signals of Interest (SOI) Integrated Product Team (IPT). At this time the recommendations for procurements that are best suited to address identified gaps may include: MTP, TURBULENTWAVE/TURBULENTWIND/TURBULENTSAIL, Bluestream servers, Red Falcon/BLINDROC, Joint Signal Processor (JSP)/ KESTREL/SALVAGE, CCOP Toxic Pen, Toxic Fog and RFDU. Any additional systems will be identified through the annual requirements process.

NOTE: TURBULENTWAVE/TURBULENTWIND/TURBULENTSAIL/BLINDROC/STALLION/STINGRAY/MUDCAT/KESTREL/SALVAGE are not acronyms.

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 16					P-1 Line Item Nomenclature: 3501 - Cryptologic Communications Equip										Aggregated Item Name: Cryptologic Communications Equip				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>1) 1V045 Access Systems &amp; Subsystems</b>																			
† 1.1) Access Systems & Subsystems <sup>(1)</sup>	A	-	-	-	264.890	46	12.185	261.190	37	9.664	240.430	40	9.617	-	-	-	240.430	40	9.617
Subtotal 1) 1V045 Access Systems & Subsystems				0.000			12.185			9.664			9.617			0.000			9.617
<b>2) 1V555 Production Support</b>																			
2.1) Production Support	A	-	-	-	-	-	0.579	-	-	0.509	-	-	0.495	-	-	-	-	-	0.495
Subtotal 2) 1V555 Production Support				0.000			0.579			0.509			0.495			0.000			0.495
<b>3) GDX6D - Global Signal Analysis Equipment</b>																			
† 3.1) Procurement	A	-	-	-	1,525.000	1	1.525	1,578.000	1	1.578	-	-	-	-	-	-	-	-	-
Subtotal 3) GDX6D - Global Signal Analysis Equipment				0.000			1.525			1.578			0.000			0.000			0.000
<b>4) GDX8D - Surface Electronic Support Capabilities Augmentation Packages (SECAP)/ ELINT</b>																			
† 4.1) Procurement	A	-	-	-	2,081.000	1	2.081	2,123.000	1	2.123	-	-	-	-	-	-	-	-	-
Subtotal 4) GDX8D - Surface Electronic Support Capabilities Augmentation Packages (SECAP)/ ELINT				0.000			2.081			2.123			0.000			0.000			0.000
<b>5) GDX6D - System Integration and Installation of Hardware and Software</b>																			
† 5.1) Procurement	A	-	-	-	827.000	1	0.827	261.000	1	0.261	267.000	1	0.267	-	-	-	267.000	1	0.267
Subtotal 5) GDX6D - System Integration and Installation				0.000			0.827			0.261			0.267			0.000			0.267

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 16					P-1 Line Item Nomenclature: 3501 - Cryptologic Communications Equip									Aggregated Item Name: Cryptologic Communications Equip					
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>of Hardware and Software</i>																			
<b>6) GDX6D - Network Computing Environment (NCE)</b>																			
† 6.1) Procurement	A	-	-	-	1,026.000	1	1.026	685.000	1	0.685	611.000	1	0.611	-	-	-	611.000	1	0.611
<i>Subtotal 6) GDX6D - Network Computing Environment (NCE)</i>				0.000			1.026			0.685			0.611			0.000			0.611
<b>7) GDX6D - CLASSIC SENSEI Upgrade</b>																			
† 7.1) Procurement	A	-	-	-	-	-	-	-	-	-	1,614.000	1	1.614	-	-	-	1,614.000	1	1.614
<i>Subtotal 7) GDX6D - CLASSIC SENSEI Upgrade</i>				0.000			0.000			0.000			1.614			0.000			1.614
<b>Total</b>				<b>0.000</b>			<b>18.223</b>			<b>14.820</b>			<b>12.604</b>			<b>0.000</b>			<b>12.604</b>

**Remarks:**

(1) Quantity and unit cost of CCOP systems and subsystems vary because procurements are in response to current Combatant Command fleet requirements as well as the Signals of Interest (SOI) and target threat list which is updated twice a year. CCOP system and subsystem unit costs range from \$.050M to \$.900M, with the exception of Maritime Toxic Pen (MTP) which is priced at \$2.150M per system. The unit cost listed above represents the average price per system.

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 16				P-1 Line Item Nomenclature: 3501 - Cryptologic Communications Equip						Aggregated Item Name: Cryptologic Communications Equip		
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) 1V045 Access Systems &amp; Subsystems</b>												
†1.1) Access Systems & Subsystems (2)		2011	VARIOUS / VARIOUS	Various	SSC PAC/ SSC LANT	Jan 2011	Jun 2011	46	264.890	Y		Oct 2010
†1.1) Access Systems & Subsystems (3)		2012	VARIOUS / VARIOUS	Various	SSC PAC/ SSC LANT	Feb 2012	Jul 2012	37	261.190	N	Aug 2012	Jan 2012
†1.1) Access Systems & Subsystems (4)		2013	VARIOUS / VARIOUS	Various	SSC PAC/ SSC LANT	Nov 2012	Apr 2013	40	240.430	N	Apr 2013	Oct 2012
<b>3) GDX6D - Global Signal Analysis Equipment</b>												
3.1) Procurement (5)		2011	Government / UNKNOWN	TBD	Government	Aug 2011	Nov 2011	1	1,525.000	N		
3.1) Procurement (6)		2012	Government / UNKNOWN	TBD	Government	Mar 2012	Jun 2012	1	1,578.000	N		
<b>4) GDX8D - Surface Electronic Support Capabilities Augmentation Packages (SECAP)/ ELINT</b>												
4.1) Procurement		2011	General Dynamics / VA	C / FFP	NCF	Aug 2011	Nov 2011	1	2,081.000	N		
4.1) Procurement		2012	General Dynamics / VA	C / FFP	NCF	Mar 2012	Jun 2012	1	2,123.000	N		
<b>5) GDX6D - System Integration and Installation of Hardware and Software</b>												
5.1) Procurement (7)		2011	SPAWAR / San Diego	TBD	SPAWAR San Diego	Jan 2011	May 2011	1	827.000	N		
5.1) Procurement (8)		2012	SPAWAR / San Diego	TBD	SPAWAR San Diego	Jan 2012	May 2012	1	261.000	N		
5.1) Procurement (9)		2013	SPAWAR / San Diego	TBD	SPAWAR San Diego	Mar 2013	Jun 2013	1	267.000	N		
<b>6) GDX6D - Network Computing Environment (NCE)</b>												
6.1) Procurement (10)		2011	SPAWAR / San Diego	TBD	SPAWAR San Diego	Jan 2011	May 2011	1	1,026.000	N		
6.1) Procurement (11)		2012	SPAWAR / San Diego	TBD	SPAWAR San Diego	Jan 2012	May 2012	1	685.000	N		
6.1) Procurement (12)		2013	SPAWAR / San Diego	TBD	SPAWAR San Diego	Mar 2013	Jun 2013	1	611.000	N		
<b>7) GDX6D - CLASSIC SENSEI Upgrade</b>												

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 16	<b>P-1 Line Item Nomenclature:</b> 3501 - Cryptologic Communications Equip	<b>Aggregated Item Name:</b> Cryptologic Communications Equip
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$ K)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
7.1) Procurement <sup>(13)</sup>		2013	Government / UNKNOWN	TBD	Government	Mar 2013	Jun 2013	1	1,614.000	N		

**Remarks:**  
<sup>(2)</sup>Quantity and unit cost of CCOP systems and subsystems vary because procurements are in response to current Combatant Command fleet requirements as well as the Signals of Interest (SOI) and target threat list which is updated twice a year.;  
<sup>(3)</sup>Quantity and unit cost of CCOP systems and subsystems vary because procurements are in response to current Combatant Command fleet requirements as well as the Signals of Interest (SOI) and target threat list which is updated twice a year.;  
<sup>(4)</sup>Quantity and unit cost of CCOP systems and subsystems vary because procurements are in response to current Combatant Command fleet requirements as well as the Signals of Interest (SOI) and target threat list which is updated twice a year.;  
<sup>(5)</sup>Contract Method/Type is Reimbursable  
<sup>(6)</sup>Contract Method/Type is Reimbursable  
<sup>(7)</sup>Contract Method/Type is Reimbursable  
<sup>(8)</sup>Contract Method/Type is Reimbursable  
<sup>(9)</sup>Contract Method/Type is Reimbursable  
<sup>(10)</sup>Contract Method/Type is Reimbursable  
<sup>(11)</sup>Contract Method/Type is Reimbursable  
<sup>(12)</sup>Contract Method/Type is Reimbursable  
<sup>(13)</sup>Contract Method/Type is Reimbursable

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**Exhibit P-21, Budget Production Schedule:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 16 **P-1 Line Item Nomenclature:** 3501 - Cryptologic Communications Equip **Aggregated Item Name:** Cryptologic Communications Equip

COST ELEMENTS Units in Each							Fiscal Year 2011													Fiscal Year 2012																		
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2011													Calendar Year 2012																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
1) 1V045 Access Systems & Subsystems																																						
1.1) Access Systems & Subsystems																																						
	30	2011	NAVY	46	0	46	-	-	-	A	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	6												
	30	2012	NAVY	37	0	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	5	5	5	22							
	30	2013	NAVY	40	0	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40								
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

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**Exhibit P-21, Budget Production Schedule:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 16 **Aggregated Item Name:** Cryptologic Communications Equip  
**P-1 Line Item Nomenclature:** 3501 - Cryptologic Communications Equip

COST ELEMENTS Units in Each							Fiscal Year 2013													Fiscal Year 2014											
O C O	MFR Ref #	FY	SERVICE <sup>±</sup>	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
1) 1V045 Access Systems & Subsystems																															
1.1) Access Systems & Subsystems																															
	30	2011	NAVY	46	46	0																									
	30	2012	NAVY	37	15	22	5	5	5	5	2																				
	30	2013	NAVY	40	0	40	-	A-	-	-	-	-	5	5	5	5	5	5	5	5											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	



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<b>Exhibit P-21, Budget Production Schedule:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 16	<b>P-1 Line Item Nomenclature:</b> 3501 - Cryptologic Communications Equip	<b>Aggregated Item Name:</b> Cryptologic Communications Equip

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEADTIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	VARIOUS - VARIOUS	1	40	50	0	1	5	6	0	1	5	6

**Remarks:**  
 ‡ Delivery rows marked with the ♦ symbol indicate that they are funded through a separate Line Item. Additionally, deliveries for such components are not shown in this exhibit if they occur after the last delivery for the budgeting component. See the respective components' exhibits for details, including the full delivery schedule.

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**Exhibit P-40, Budget Item Justification Sheet: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 17 : Other Electronic Support

**P-1 Line Item Nomenclature:**  
 3620 - Coast Guard Equipment

Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	113.020	20.080	6.848	6.680	-	6.680	6.974	7.091	7.164	7.280	125.029	300.166
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	113.020	20.080	6.848	6.680	-	6.680	6.974	7.091	7.164	7.280	125.029	300.166
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	113.020	20.080	6.848	6.680	-	6.680	6.974	7.091	7.164	7.280	125.029	300.166
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	0.026	0.235	0.135	-	0.135	0.138	0.236	0.119	0.122	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Coast Guard Equipment line funds the Coast Guard Combat System Suite for USCG cutters under the Coast Guard Surface Asset Acquisition Program. Under inter-service agreement(delineated in OPNAVINST 4000.79B), DON plans, programs, and budgets for specific Navy military equipment, systems and logistic support requirements for Coast Guard units to ensure the Coast Guard is prepared to execute naval warfare tasks in consonance with US Navy units. Ship construction and installation costs are funded under the Department of Homeland Security appropriation.

The Combat Systems and Weapons Suite will be aligned with future Naval ship building programs to support commonality among the two Service's systems and meet National Fleet objectives.

The Combat System Suite must compliment and integrate with Navy Combat Systems. The suite is an appropriate balance of equipment to ensure the Coast Guard is prepared to accomplish the assigned Naval Warfare Tasks in concert with US Navy units. The Surface Asset Acquisition Program Combat Suites include the following:

**CG001 - SPQ-9B RADAR**

The AN/SPQ-9B radar is procured for the Maritime Security Cutter, Large (WMSL) Class, aka the National Security Cutter (NSC), Class to track surface targets and low fliers in support of potential gun engagements.

**CG002 - IFF AIMS**

The AN/UPX-29A Identification Friend or Foe (IFF) System is procured for the WMSL Class and Maritime Security Cutter, Medium (WMSM) Class, aka the Offshore Patrol Cutter (OPC). The AN/APX-123 Transponder is procured for the Fast Response Cutter aka Patrol Coastal Cutter (WPC).

**CG003 - MK 53 DECOY LAUNCHING SYSTEM**

The MK 53 Mod 6 Decoy Launching System (DLS) is procured for WMSL to provide soft-kill capability. MK 36 Super Rapid Blooming Off-Board Chaff (SRBOC) DLS will be procured for the OPC/WMSM to provide soft-kill capability.

**CG004 - SLQ-32**

The AN/SLQ-32 EW System and the Battle force Electronic Warfare Trainer (BEWT) are procured for the WMSL to perform Electronic Support Measures to support soft-kill measures. BEWT was also procured to support existing SLQ-32 systems on thirteen 270' Medium Endurance Cutters (WMEC). An ES system will be procured to support WMSM.



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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 17 **P-1 Line Item Nomenclature:** 3620 - Coast Guard Equipment **Aggregated Item Name:** Coast Guard Equipment

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) CG001 - SPQ-9B RADAR</b>																			
† 1.1) DETECTION SYSTEMS	A	-	-	37.491	6,263K	1	6.263	-	-	-	-	-	-	-	-	-	-	-	-
† 1.2) SPQ 9B RADAR ORDALT/ FC	A	-	-	3.909	649,000.00	1	0.649	649,000.00	1	0.649	-	-	-	-	-	-	-	-	-
1.3) ILS/TEST SUPPORT	A	-	-	4.025	-	-	0.696	-	-	0.428	-	-	0.302	-	-	-	-	-	0.302
† 1.4) DATA/ DOCUMENTATION	A	-	-	0.423	113,000.00	1	0.113	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) CG001 - SPQ-9B RADAR</i>				45.848			7.721			1.077			0.302			0.000			0.302
<b>2) IFF AIMS</b>																			
2.1) IFF AIMS CERTIFICATION WPC	A	-	-	-	-	-	0.080	-	-	0.080	-	-	0.080	-	-	-	-	-	0.080
† 2.2) IFF AIMS WMSL	A	-	-	6.882	984,000.00	1	0.984	1,004K	1	1.004	1,056K	1	1.056	-	-	-	1,056K	1	1.056
2.3) IFF AIMS ILS SUPPORT WPC	A	-	-	0.345	-	-	0.150	-	-	0.260	-	-	0.280	-	-	-	-	-	0.280
† 2.4) IFF AIMS EQUIPMENT WPC	A	-	-	0.802	-	-	-	119,000.00	4	0.476	121,330.00	6	0.728	-	-	-	121,330.00	6	0.728
2.5) IFF AIMS WMSM	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) IFF AIMS UPX-29 LLT WMSM	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 2.7) IFF AIMS UPX-29 LLT WMSL	A	-	-	0.496	-	-	-	-	-	-	281,000.00	1	0.281	-	-	-	281,000.00	1	0.281
† 2.8) MODIFICATION KITS	A	-	-	0.159	-	-	-	80,000.00	1	0.080	80,000.00	1	0.080	-	-	-	80,000.00	1	0.080
† 2.9) SUPPORT EQUIPMENT WMSL	A	-	-	0.068	68,000.00	1	0.068	83,500.00	2	0.167	88,500.00	2	0.177	-	-	-	88,500.00	2	0.177
2.10) PRODUCTION SUPPORT WMSL	A	-	-	0.237	-	-	0.050	-	-	0.104	-	-	0.050	-	-	-	-	-	0.050
2.11) ILS/TEST SUPPORT WMSL	A	-	-	0.351	-	-	-	-	-	0.085	-	-	0.085	-	-	-	-	-	0.085

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Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy															Date: February 2012				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 17					P-1 Line Item Nomenclature: 3620 - Coast Guard Equipment										Aggregated Item Name: Coast Guard Equipment				
Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
2.12) CERTIFICATION WMSL	A	-	-	0.180	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 2) IFF AIMS</i>				9.520			1.392			2.256			2.817			0.000			2.817
<b>3) CG003 DECOYS MK 53</b>																			
3.1) MK 36 DLS WMSM	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) ILS/TEST SUPPORT	A	-	-	2.078	-	-	0.766	-	-	0.719	-	-	0.561	-	-	-	-	-	0.561
<i>Subtotal 3) CG003 DECOYS MK 53</i>				2.078			0.766			0.719			0.561			0.000			0.561
<b>4) CG004 SLQ-32</b>																			
† 4.1) BEWT WMSL	A	-	-	0.717	130,000.00	1	0.130	133,000.00	1	0.133	-	-	-	-	-	-	-	-	-
† 4.2) SLQ-32	A	-	-	24.380	1,900K	2	3.800	-	-	-	-	-	-	-	-	-	-	-	-
4.3) WMSM	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 4.4) SLQ-32 REFURBISHMENT	A	-	-	3.880	1,035K	1	1.035	1,035K	1	1.035	1,041K	1	1.041	-	-	-	1,041K	1	1.041
† 4.5) SUPPORT EQUIPMENT	A	-	-	-	-	-	-	159,000.00	1	0.159	-	-	-	-	-	-	-	-	-
4.6) PRODUCTION SUPPORT	A	-	-	1.478	-	-	0.307	-	-	0.157	-	-	0.160	-	-	-	-	-	0.160
4.7) ILS/TEST SUPPORT	A	-	-	1.529	-	-	0.259	-	-	0.100	-	-	0.269	-	-	-	-	-	0.269
4.8) CERTIFICATION	A	-	-	0.166	-	-	0.085	-	-	0.087	-	-	0.089	-	-	-	-	-	0.089
<i>Subtotal 4) CG004 SLQ-32</i>				32.150			5.616			1.671			1.559			0.000			1.559
<b>5) CG005 MK 46/MK 20 OPTICAL SIGHT</b>																			
5.1) MODIFICATION KITS WMSL	A	-	-	0.097	-	-	0.099	-	-	-	-	-	0.101	-	-	-	-	-	0.101
5.2) EO/IR SYSTEM WMSM	A	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
† 5.3) MK 46/MK 20 WMSL	A	-	-	12.919	1,606K	1	1.606	-	-	-	-	-	-	-	-	-	-	-	-
5.4) DATA WMSL	A	-	-	0.167	-	-	0.059	-	-	-	-	-	0.060	-	-	-	-	-	0.060
5.5) SOFTWARE WMSL	A	-	-	0.836	-	-	0.685	-	-	-	-	-	0.349	-	-	-	-	-	0.349
5.6) PROGRAM SUPPORT WMSL	A	-	-	0.705	-	-	0.218	-	-	0.218	-	-	0.222	-	-	-	-	-	0.222

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**Exhibit P-40A, Budget Item Justification For Aggregated Items: PB 2013 Navy** **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 17 **P-1 Line Item Nomenclature:** 3620 - Coast Guard Equipment **Aggregated Item Name:** Coast Guard Equipment

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
5.7) ORDALT WMSL	A	-	-	0.376	-	-	0.195	-	-	-	-	-	0.199	-	-	-	-	-	0.199
5.8) ILS/TEST SPT WMSL	A	-	-	0.890	-	-	0.179	-	-	0.275	-	-	0.379	-	-	-	-	-	0.379
<i>Subtotal 5) CG005 MK 46/MK 20 OPTICAL SIGHT</i>				15.990			3.041			0.493			1.310			0.000			1.310
<b>6) CG006 COMBAT SYSTEM INTEGRATION</b>																			
6.1) CSI	A	-	-	7.434	-	-	1.544	-	-	0.632	-	-	0.131	-	-	-	-	-	0.131
<i>Subtotal 6) CG006 COMBAT SYSTEM INTEGRATION</i>				7.434			1.544			0.632			0.131			0.000			0.131
<b>Total</b>				<b>113.020</b>			<b>20.080</b>			<b>6.848</b>			<b>6.680</b>			<b>0.000</b>			<b>6.680</b>

**Remarks:**

**UNCLASSIFIED**

Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Navy										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / BA 2 / BSA 17				P-1 Line Item Nomenclature: 3620 - Coast Guard Equipment						Aggregated Item Name: Coast Guard Equipment		
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) CG001 - SPQ-9B RADAR</b>												
1.1) DETECTION SYSTEMS		2011	NORTHROP GRUMMAN / MELVILLE, NEW YORK	SS / FFP	NAVSEA	Apr 2011	Apr 2013	1	6,263,000.00	Y		Aug 2008
1.2) SPQ 9B RADAR ORDALT/FC		2011	VARIOUS / VARIOUS	SS / FFP	NAVSEA	Apr 2011	Apr 2013	1	649,000.00	Y		Aug 2008
1.2) SPQ 9B RADAR ORDALT/FC		2012	VARIOUS / VARIOUS	SS / FFP	NAVSEA	Mar 2012	Mar 2014	1	649,000.00	Y		Aug 2008
1.4) DATA/DOCUMENTATION		2011	VARIOUS / VARIOUS	SS / FFP	NAVSEA	Apr 2011	Apr 2013	1	113,000.00	Y		Aug 2008
<b>2) IFF AIMS</b>												
2.2) IFF AIMS WMSL		2011	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	Mar 2012	Sep 2013	1	984,000.00	Y		Nov 2007
2.2) IFF AIMS WMSL		2012	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	Mar 2012	Sep 2013	1	1,004,000.00	Y		Nov 2007
2.2) IFF AIMS WMSL		2013	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	May 2013	Nov 2014	1	1,056,000.00	Y		Nov 2007
2.4) IFF AIMS EQUIPMENT WPC		2012	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	Dec 2011	Jun 2013	4	119,000.00	Y		Nov 2007
2.4) IFF AIMS EQUIPMENT WPC		2013	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	May 2013	Nov 2014	6	121,330.00	Y		Nov 2007
2.7) IFF AIMS UPX-29 LLT WMSL		2013	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	May 2013	Nov 2014	1	281,000.00	Y		Nov 2007
2.8) MODIFICATION KITS		2012	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	Mar 2012	Sep 2013	1	80,000.00	Y		Nov 2007
2.8) MODIFICATION KITS		2013	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	May 2013	Nov 2014	1	80,000.00	Y		Nov 2007
2.9) SUPPORT EQUIPMENT WMSL		2011	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	Mar 2012	Sep 2013	1	68,000.00	Y		Nov 2007
2.9) SUPPORT EQUIPMENT WMSL		2012	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	Mar 2012	Sep 2013	2	83,500.00	Y		Nov 2007
2.9) SUPPORT EQUIPMENT WMSL		2013	NAVAIR NAWC/AD / ST. INIGOES, MD	SS / FFP	NAVAIR	May 2013	Nov 2014	2	88,500.00	Y		Nov 2007
<b>4) CG004 SLQ-32</b>												
4.1) BEWT WMSL		2011	EWA / FAIRMONT, WV	SS / FFP	NAVSEA	Sep 2011	Mar 2013	1	130,000.00	Y		Sep 2007
4.1) BEWT WMSL		2012	EWA / FAIRMONT, WV	SS / FFP	NAVSEA	Apr 2012	Oct 2013	1	133,000.00	Y		Sep 2007
4.2) SLQ-32		2011	VARIOUS / VARIOUS	SS / FFP	NAVSEA	Sep 2011	Mar 2013	2	1,900,000.00	Y		Sep 2007
4.4) SLQ-32 REFURBISHMENT		2011	NSWC CRANE / CRANE, IN	SS / FFP	NAVSEA	Sep 2011	Mar 2013	1	1,035,000.00	Y		Sep 2007
4.4) SLQ-32 REFURBISHMENT		2012	NSWC CRANE / CRANE, IN	SS / FFP	NAVSEA	Apr 2012	Oct 2013	1	1,035,000.00	Y		Sep 2007
4.4) SLQ-32 REFURBISHMENT		2013	NSWC CRANE / CRANE, IN	SS / FFP	NAVSEA	Apr 2013	Oct 2014	1	1,041,000.00	Y		Sep 2007
4.5) SUPPORT EQUIPMENT		2012	VARIOUS / VARIOUS	SS / FFP	NAVSEA	Apr 2012	Oct 2013	1	159,000.00	Y		Sep 2007



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<b>Exhibit P-5A, Budget Procurement History and Planning:</b> PB 2013 Navy										<b>Date:</b> February 2012		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 17				<b>P-1 Line Item Nomenclature:</b> 3620 - Coast Guard Equipment						<b>Aggregated Item Name:</b> Coast Guard Equipment		
<b>Cost Elements</b> <small>(† indicates the presence of a P-21)</small>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty <small>(Each)</small></b>	<b>Unit Cost <small>(\$)</small></b>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
<b>5) CG005 MK 46/MK 20 OPTICAL SIGHT</b>												
5.3) MK 46/MK 20 WMSL		2011	KOLLMORGEN / NORTHAMPTON, MA	SS / FFP	NAVSEA	Jul 2011	Jul 2013	1	1,606,000.00	Y		Aug 2010
<b>Remarks:</b>												

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**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
 BSA 17 : Other Electronic Support

**P-1 Line Item Nomenclature:**  
 3630 - Defense Rapid Innovation Program

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	14.919	-	-	-	-	-	-	-	-	0.000	14.919
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	14.919	-	-	-	-	-	-	-	-	0.000	14.919
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	14.919	-	-	-	-	-	-	-	-	0.000	14.919

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Funding provided for the Defense Rapid Innovation Program.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Defense Rapid Innovation Program (See enclosed P-40A)	P40A				-			14.919			-			-			-			-
<b>Total Gross/Weapon System Cost</b>					-			14.919			-			-			-			-

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

**Justification:**

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 17	<b>P-1 Line Item Nomenclature:</b> 3630 - Defense Rapid Innovation Program	<b>Aggregated Item Name:</b> Defense Rapid Innovation Program
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Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) Defense Rapid Innovation Program</b>																			
1) Rapid Innovation Fund	A	-	-	-	-	-	14.919	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) Defense Rapid Innovation Program</i>				0.000			14.919			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>14.919</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:**  
1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip /  
BSA 19 : Drug Interdiction Support

**P-1 Line Item Nomenclature:**  
3820 - Other Drug Interdiction Support

**ID Code** (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	36.968	-	-	-	-	-	-	-	-	0.000	36.968
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	36.968	-	-	-	-	-	-	-	-	0.000	36.968
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	36.968	-	-	-	-	-	-	-	-	0.000	36.968

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

[P40A / Automatted Pipetting Instrument]: The Automatted Pipetting Instrument (API) is used to automate the accessioning of urine specimen bottles at the drug testing laboratories. Currently the accessioning process is a manual process whereby an individual must handle each bottle, unscrew the cap, pour a small portion of urine into a test tube then re-screw the cap back onto the bottle. The API would automatically perform this process which would decrease the time for pouring by simultaneously pipetting 5-8 specimens at a time. This will also decrease any repetitive motion injuries by the accessioning staff and also decrease possible contamination.

[P40A / LC-MS-MS]: A Liquid Chromatography Tandem Mass Spectrometry (LCMSMS) is an analytical instrument used in analysis for drugs of abuse. This type of instrument has the advantages of greater sensitivity (lower detection limits), and the ability to analyze for a multitude of drugs simultaneously, and with relatively little pre-analysis sample preparation. The LCMSMS will support the Chairman, Joint Chiefs of Staff (CJCS) initiative to expand the drug testing panel to include testing for prescription medications with high abuse potentials such as synthetic narcotics for pain management.

[P40A / Surveillance and Reconnaissance Analysis]: This program supports the National Drug Control Strategy's Action to Disrupt Illicit Drug Trafficking in the Transit Zone. The Department of Defense provides unique military personnel, systems, and capabilities that support international counter-narcotics (CN) activities.

Item Schedule		Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total			
Item Nomenclature*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Other Drug Interdiction Support (See enclosed P-40A)	P40A, P5A				0.000			36.968			0.000			0.000			0.000			0.000
<b>Total Gross/Weapon System Cost</b>					-			36.968			-			-			-			-

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

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<b>Exhibit P-40, Budget Item Justification Sheet:</b> PB 2013 Navy		<b>Date:</b> February 2012
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N : Other Procurement, Navy / BA 2 : Communications & Electronics Equip / BSA 19 : Drug Interdiction Support		<b>P-1 Line Item Nomenclature:</b> 3820 - Other Drug Interdiction Support
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<b>Justification:</b>		

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**Exhibit P-40A, Budget Item Justification For Aggregated Items:** PB 2013 Navy **Date:** February 2012

**Appropriation / Budget Activity / Budget Sub Activity:** 1810N / BA 2 / BSA 19 **P-1 Line Item Nomenclature:** 3820 - Other Drug Interdiction Support **Aggregated Item Name:** Other Drug Interdiction Support

Items († indicates the presence of a P-5A)	ID CD	All Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) Other Drug Interdiction Support</b>																			
† 1) Automatted Pipetting Instrument	A	-	-	-	350,000.00	2	0.700	-	-	-	-	-	-	-	-	-	-	-	-
† 2) LC-MS-MS	A	-	-	-	250,000.00	1	0.250	-	-	-	-	-	-	-	-	-	-	-	-
3) OTHER DRUG INTERDICTION SUPPORT	A	-	-	-	-	-	17.018	-	-	-	-	-	-	-	-	-	-	-	-
4) Surveillance and Reconnaissance Analysis <sup>(1)</sup>	A	-	-	-	-	-	19.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal 1) Other Drug Interdiction Support</i>				0.000			36.968			0.000			0.000			0.000			0.000
<b>Total</b>				<b>0.000</b>			<b>36.968</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>

**Remarks:**  
<sup>(1)</sup>Additional details on this program are CLASSIFIED.

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**Exhibit P-5A, Budget Procurement History and Planning:** PB 2013 Navy **Date:** February 2012

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / BA 2 / BSA 19	<b>P-1 Line Item Nomenclature:</b> 3820 - Other Drug Interdiction Support	<b>Aggregated Item Name:</b> Other Drug Interdiction Support
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Cost Elements <small>(† indicates the presence of a P-21)</small>	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty <small>(Each)</small>	Unit Cost <small>(\$)</small>	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1) Other Drug Interdiction Support</b>												
1) Automatted Pipetting Instrument <sup>(2)</sup>		2011	Unknown / Unknown	C / FP	NMLC - Fort Detrick, MD	May 2012	Jul 2012	2	350,000.00	Y		
2) LC-MS-MS <sup>(3)</sup>		2011	Unknown / Unknown	C / FP	NMLC - Fort Detrick, MD	May 2012	Jul 2012	1	250,000.00	Y		

**Remarks:**  
<sup>(2)</sup>Unknown - NMLC will procure item under full and open competition to ensure that the government will receive the best price, therefore the contractor will not be known at this time until procurement process is completed in the market and contract is awarded.;  
<sup>(3)</sup>Unknown - NMLC will procure item under full and open competition to ensure that the government will receive the best price, therefore the contractor will not be known at this time until procurement process is completed in the market and contract is awarded.;