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**Department of Defense
Fiscal Year (FY) 2017 Amended Budget Estimates**

November 2016



Navy

Justification Book Volume 1 of 1

Other Procurement, Navy

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Navy • Amended Budget Estimates FY 2017 • Procurement

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Department of Defense Appropriations Act, 2017

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, \$6,468,067,000, to remain available for obligation until September 30, 2019.

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Department of the Navy
Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
Exhibit P-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)
Total Obligational Authority
(Dollars in Thousands)

02 Nov 2016

Appropriation -----	FY 2015 (Base & OCO) -----	FY 2016 Base Enacted -----	FY 2016 OCO Enacted -----	FY 2016 Total Enacted -----
Other Procurement, Navy	6,405,148	6,484,257	12,186	6,496,443
Total Department of the Navy	6,405,148	6,484,257	12,186	6,496,443

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02 Nov 2016

Appropriation -----	FY 2017 Base -----	FY 2017 OCO -----	FY 2017 OCO Amendment -----	FY 2017 Total -----
Other Procurement, Navy	6,338,861	124,206	5,000	6,468,067
Total Department of the Navy	6,338,861	124,206	5,000	6,468,067

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 Total Obligational Authority
 (Dollars in Thousands)

02 Nov 2016

Appropriation: Other Procurement, Navy

Budget Activity -----	FY 2015 (Base & OCO) -----	FY 2016 Base Enacted -----	FY 2016 OCO Enacted -----	FY 2016 Total Enacted -----
01. Ships Support Equipment	2,275,493	1,846,326		1,846,326
02. Communications & Electronics Equip	2,229,171	2,354,322		2,354,322
03. Aviation Support Equipment	370,526	419,225		419,225
04. Ordnance Support Equipment	693,093	852,207		852,207
05. Civil Engineering Support Equip	54,526	54,933	186	55,119
06. Supply Support Equipment	92,883	246,708		246,708
07. Personnel & Command Support Equip	386,985	403,072	12,000	415,072
08. Spares and Repair Parts	302,471	307,464		307,464
Total Other Procurement, Navy	6,405,148	6,484,257	12,186	6,496,443

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 (Dollars in Thousands)

02 Nov 2016

Appropriation: Other Procurement, Navy

Budget Activity -----	FY 2017 Base -----	FY 2017 OCO -----	FY 2017 OCO Amendment -----	FY 2017 Total -----
01. Ships Support Equipment	1,878,390			1,878,390
02. Communications & Electronics Equip	2,122,908	12,000		2,134,908
03. Aviation Support Equipment	439,109			439,109
04. Ordnance Support Equipment	933,565	99,329		1,032,894
05. Civil Engineering Support Equip	84,345	630		84,975
06. Supply Support Equipment	316,609	25		316,634
07. Personnel & Command Support Equip	364,275	12,222	5,000	381,497
08. Spares and Repair Parts	199,660			199,660
Total Other Procurement, Navy	6,338,861	124,206	5,000	6,468,067

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 (Dollars in Thousands)

02 Nov 2016

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		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		7,822		4,881				4,881	U
2	Allison 501k Gas Turbine	A		2,155		5,814				5,814	U
3	Surface Power Equipment	A									U
4	Hybrid Electric Drive (HED)			12,638		29,106				29,106	U
Generators											
5	Surface Combatant HM&E	A		26,664		36,860				36,860	U
Navigation Equipment											
6	Other Navigation Equipment	A		39,298		87,481				87,481	U
Periscopes											
7	Sub Periscopes & Imaging Equip	A		57,221		63,109				63,109	U
Other Shipboard Equipment											
8	Sub Periscope, Imaging and Supt Equip Prog	A									U
9	DDG Mod	A		324,219		421,195				421,195	U
10	Firefighting Equipment	A		15,134		13,983				13,983	U
11	Command and Control Switchboard	A		2,219		2,255				2,255	U
12	LHA/LHD Midlife	A		13,826		26,545				26,545	U
13	LCC 19/20 Extended Service Life Program	A		21,025		8,631				8,631	U
14	Pollution Control Equipment	B		10,146		16,609				16,609	U
15	Submarine Support Equipment	A		11,815		10,498				10,498	U

P-1C1A: Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO), as of November 2, 2016 at 09:01:47

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Department of the Navy
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02 Nov 2016

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 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									U
2	Allison 501k Gas Turbine	A									U
3	Surface Power Equipment	A		15,514					15,514		U
4	Hybrid Electric Drive (HED)			40,132					40,132		U
Generators											
5	Surface Combatant HM&E	A		29,974					29,974		U
Navigation Equipment											
6	Other Navigation Equipment	A		63,942					63,942		U
Periscopes											
7	Sub Periscopes & Imaging Equip	A									U
Other Shipboard Equipment											
8	Sub Periscope, Imaging and Supt Equip Prog	A		136,421					136,421		U
9	DDG Mod	A		367,766					367,766		U
10	Firefighting Equipment	A		14,743					14,743		U
11	Command and Control Switchboard	A		2,140					2,140		U
12	LHA/LHD Midlife	A		24,939					24,939		U
13	LCC 19/20 Extended Service Life Program	A									U
14	Pollution Control Equipment	B		20,191					20,191		U
15	Submarine Support Equipment	A		8,995					8,995		U

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
16	Virginia Class Support Equipment	A		69,168		35,747				35,747	U
17	LCS Class Support Equipment			25,742		39,349				39,349	U
18	Submarine Batteries			32,752		23,072				23,072	U
19	LPD Class Support Equipment			35,979		45,929				45,929	U
20	DDG 1000 Class Support Equipment	A									U
21	Strategic Platform Support Equip	A		11,558		18,563				18,563	U
22	DSSP Equipment	A		5,518		7,376				7,376	U
23	CG Modernization	A		375,500							U
24	LCAC	A		7,380		15,125				15,125	U
25	Underwater EOD Programs			58,576		51,652				51,652	U
26	Items Less Than \$5 Million	A		70,512		95,349				95,349	U
27	Chemical Warfare Detectors	A		2,937		3,027				3,027	U
28	Submarine Life Support System	A		8,385		7,399				7,399	U
	Reactor Plant Equipment										
29	Reactor Power Units	A		298,200							U
30	Reactor Components	A		288,822		296,095				296,095	U
	Ocean Engineering										
31	Diving and Salvage Equipment	A		10,572		15,982				15,982	U
	Small Boats										
32	Standard Boats	A		180,365		29,982				29,982	U

P-1C1A: Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO), as of November 2, 2016 at 09:01:47

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
16	Virginia Class Support Equipment	A		66,838						66,838	U
17	LCS Class Support Equipment			54,823						54,823	U
18	Submarine Batteries			23,359						23,359	U
19	LPD Class Support Equipment			40,321						40,321	U
20	DDG 1000 Class Support Equipment	A		33,404						33,404	U
21	Strategic Platform Support Equip	A		15,836						15,836	U
22	DSSP Equipment	A		806						806	U
23	CG Modernization	A									U
24	LCAC	A		3,090						3,090	U
25	Underwater EOD Programs			24,350						24,350	U
26	Items Less Than \$5 Million	A		88,719						88,719	U
27	Chemical Warfare Detectors	A		2,873						2,873	U
28	Submarine Life Support System	A		6,043						6,043	U
	Reactor Plant Equipment										
29	Reactor Power Units	A									U
30	Reactor Components	A		342,158						342,158	U
	Ocean Engineering										
31	Diving and Salvage Equipment	A		8,973						8,973	U
	Small Boats										
32	Standard Boats	A		43,684						43,684	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Training Equipment											
33	Other Ships Training Equipment	A		17,152		62,358				62,358	U
Production Facilities Equipment											
34	Operating Forces Ipe	A		39,306		58,138				58,138	U
Other Ship Support											
35	Nuclear Alterations	A		118,129		132,625				132,625	U
36	LCS Common Mission Modules Equipment			30,938		23,061				23,061	U
37	LCS MCM Mission Modules			15,270		67,451				67,451	U
38	LCS ASW Mission Modules										U
39	LCS SUW Mission Modules			14,750		35,228				35,228	U
40	Remote Minehunting System (RMS)	A				53,077				53,077	U
Logistic Support											
41	LSD Midlife			13,800		2,774				2,774	U
Total Ships Support Equipment				2,275,493		1,846,326				1,846,326	
Budget Activity 02: Communications & Electronics Equip											
Ship Sonars											
42	SPQ-9B Radar	A		26,735		19,841				19,841	U
43	AN/SQQ-89 Surf ASW Combat System	A		78,802		103,241				103,241	U
44	SSN Acoustics	A		160,932		232,835				232,835	U
45	SSN Acoustic Equipment	A									U
46	Undersea Warfare Support Equipment	A		4,663		7,331				7,331	U

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Training Equipment											
33	Other Ships Training Equipment	A									U
Production Facilities Equipment											
34	Operating Forces Ipe	A		75,421						75,421	U
Other Ship Support											
35	Nuclear Alterations	A		172,718						172,718	U
36	LCS Common Mission Modules Equipment			27,840						27,840	U
37	LCS MCM Mission Modules			57,146						57,146	U
38	LCS ASW Mission Modules			31,952						31,952	U
39	LCS SUW Mission Modules			22,466						22,466	U
40	Remote Minehunting System (RMS)	A									U
Logistic Support											
41	LSD Midlife			10,813						10,813	U
Total Ships Support Equipment				1,878,390						1,878,390	
Budget Activity 02: Communications & Electronics Equip											
Ship Sonars											
42	SPQ-9B Radar	A		14,363						14,363	U
43	AN/SQQ-89 Surf ASW Combat System	A		90,029						90,029	U
44	SSN Acoustics	A									U
45	SSN Acoustic Equipment	A		248,765						248,765	U
46	Undersea Warfare Support Equipment	A		7,163						7,163	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
47	Sonar Switches and Transducers	A		11,621		11,781				11,781	U
	ASW Electronic Equipment										
48	Submarine Acoustic Warfare System	A		22,721		19,718				19,718	U
49	SSTD	A		10,653		8,396				8,396	U
50	Fixed Surveillance System	A		170,831		146,968				146,968	U
51	SURTASS	A		23,819		12,953				12,953	U
52	Maritime Patrol and Reconnaissance Force	A		14,390		13,725				13,725	U
	Electronic Warfare Equipment										
53	AN/SLQ-32	A		195,082		296,271				296,271	U
	Reconnaissance Equipment										
54	Shipboard IW Exploit	A		123,362		138,002				138,002	U
55	Automated Identification System (AIS)			164		152				152	U
	Submarine Surveillance Equipment										
56	Submarine Support Equipment Prog	A		36,938		78,816				78,816	U
	Other Ship Electronic Equipment										
57	Cooperative Engagement Capability	B		33,939		25,695				25,695	U
58	Trusted Information System (TIS)			324		284				284	U
59	Naval Tactical Command Support System (NTCSS)	A		8,066		14,416				14,416	U
60	ATDLS	A		16,568		23,069				23,069	U
61	Navy Command and Control System (NCCS)			5,219		4,054				4,054	U
62	Minesweeping System Replacement	A		36,259		21,014				21,014	U

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
47	Sonar Switches and Transducers	A									U
	ASW Electronic Equipment										
48	Submarine Acoustic Warfare System	A		21,291						21,291	U
49	SSTD	A		6,893						6,893	U
50	Fixed Surveillance System	A		145,701						145,701	U
51	SURTASS	A		36,136						36,136	U
52	Maritime Patrol and Reconnaissance Force	A									U
	Electronic Warfare Equipment										
53	AN/SLQ-32	A		274,892						274,892	U
	Reconnaissance Equipment										
54	Shipboard IW Exploit	A		170,733						170,733	U
55	Automated Identification System (AIS)			958						958	U
	Submarine Surveillance Equipment										
56	Submarine Support Equipment Prog	A									U
	Other Ship Electronic Equipment										
57	Cooperative Engagement Capability	B		22,034						22,034	U
58	Trusted Information System (TIS)										U
59	Naval Tactical Command Support System (NTCSS)	A		12,336						12,336	U
60	ATDLS	A		30,105						30,105	U
61	Navy Command and Control System (NCCS)			4,556						4,556	U
62	Minesweeping System Replacement	A		56,675						56,675	U

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Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
63	Shallow Water MCM	B									U
64	Navstar GPS Receivers (SPACE)	A		15,232		12,359				12,359	U
65	American Forces Radio and TV Service	A		4,524		4,240				4,240	U
66	Strategic Platform Support Equip	A		7,308		17,440				17,440	U
Training Equipment											
67	Other Training Equipment	A		42,810		41,314				41,314	U
Aviation Electronic Equipment											
68	Matcals	A		19,779		10,011				10,011	U
69	Ashore ATC Equipment	A									U
70	Afloat ATC Equipment	A									U
71	Shipboard Air Traffic Control	B		9,366		9,346				9,346	U
72	Automatic Carrier Landing System	A		21,357		21,281				21,281	U
73	National Air Space System	B		26,639		25,621				25,621	U
74	Fleet Air Traffic Control Systems	A		9,672		8,249				8,249	U
75	Landing Systems	A		9,602		14,715				14,715	U
76	ID Systems	A		28,085		29,676				29,676	U
77	Naval Mission Planning Systems	A		13,950		13,737				13,737	U
Other Shore Electronic Equipment											
78	Deployable Joint Command & Control	A		1,205		1,314				1,314	U
79	Maritime Integrated Broadcast System			3,447							U
80	Tactical/Mobile C4I Systems	A		16,766		13,600				13,600	U

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
63	Shallow Water MCM	B		8,875					8,875		U
64	Navstar GPS Receivers (SPACE)	A		12,752					12,752		U
65	American Forces Radio and TV Service	A		4,577					4,577		U
66	Strategic Platform Support Equip	A		8,972					8,972		U
	Training Equipment										
67	Other Training Equipment	A									U
	Aviation Electronic Equipment										
68	Matcals	A									U
69	Ashore ATC Equipment	A		75,068					75,068		U
70	Afloat ATC Equipment	A		33,484					33,484		U
71	Shipboard Air Traffic Control	B									U
72	Automatic Carrier Landing System	A									U
73	National Air Space System	B									U
74	Fleet Air Traffic Control Systems	A									U
75	Landing Systems	A									U
76	ID Systems	A		22,177					22,177		U
77	Naval Mission Planning Systems	A		14,273					14,273		U
	Other Shore Electronic Equipment										
78	Deployable Joint Command & Control	A									U
79	Maritime Integrated Broadcast System										U
80	Tactical/Mobile C4I Systems	A		27,927					27,927		U

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Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
81	DCGS-N	A		23,649		31,809				31,809	U
82	CANES			355,046		275,641				275,641	U
83	RADIAC	A		5,153		8,294				8,294	U
84	CANES-Intell			61,215		28,695				28,695	U
85	GPETE	A		6,284		6,962				6,962	U
86	MASF					290				290	U
87	Integ Combat System Test Facility	A		4,016		14,419				14,419	U
88	EMI Control Instrumentation	A		4,113		4,175				4,175	U
89	Items Less Than \$5 Million	A		64,235		66,176				66,176	U
Shipboard Communications											
90	Shipboard Tactical Communications	A		14,410		8,722				8,722	U
91	Ship Communications Automation	A		20,830		108,477				108,477	U
92	Communications Items Under \$5M	A		14,145		16,613				16,613	U
Submarine Communications											
93	Submarine Broadcast Support	A		11,057		16,021				16,021	U
94	Submarine Communication Equipment	A		64,954		60,945				60,945	U
Satellite Communications											
95	Satellite Communications Systems	A		13,743		30,892				30,892	U
96	Navy Multiband Terminal (NMT)			233,162		118,113				118,113	U
Shore Communications											
97	JCS Communications Equipment	A		4,369		4,591				4,591	U

P-1C1A: Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO), as of November 2, 2016 at 09:01:47

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 Total Obligational Authority
 (Dollars in Thousands)

02 Nov 2016

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
81	DCGS-N	A		12,676		12,000				24,676	U
82	CANES			212,030						212,030	U
83	RADIAC	A		8,092						8,092	U
84	CANES-Intell			36,013						36,013	U
85	GPETE	A		6,428						6,428	U
86	MASF										U
87	Integ Combat System Test Facility	A		8,376						8,376	U
88	EMI Control Instrumentation	A		3,971						3,971	U
89	Items Less Than \$5 Million	A		58,721						58,721	U
Shipboard Communications											
90	Shipboard Tactical Communications	A		17,366						17,366	U
91	Ship Communications Automation	A		102,479						102,479	U
92	Communications Items Under \$5M	A		10,403						10,403	U
Submarine Communications											
93	Submarine Broadcast Support	A		34,151						34,151	U
94	Submarine Communication Equipment	A		64,529						64,529	U
Satellite Communications											
95	Satellite Communications Systems	A		14,414						14,414	U
96	Navy Multiband Terminal (NMT)			38,365						38,365	U
Shore Communications											
97	JCS Communications Equipment	A		4,156						4,156	U

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 (Dollars in Thousands)

02 Nov 2016

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
98	Electrical Power Systems	A		1,402		1,403				1,403	U
	Cryptographic Equipment										
99	Info Systems Security Program (ISSP)	A		101,110		135,687				135,687	U
100	MIO Intel Exploitation Team	A		979		970				970	U
	Cryptologic Equipment										
101	Cryptologic Communications Equip	A		11,502		11,433				11,433	U
	Other Electronic Support										
102	Coast Guard Equipment	A		2,967		2,529				2,529	U
	Total Communications & Electronics Equip			2,229,171		2,354,322				2,354,322	
Budget Activity 03: Aviation Support Equipment											
	Sonobuoys										
103	Sonobuoys - All Types	A		182,890		168,763				168,763	U
	Aircraft Support Equipment										
104	Weapons Range Support Equipment	A		47,944		46,979				46,979	U
105	Aircraft Support Equipment	A		55,195		123,884				123,884	U
106	Meteorological Equipment	A		12,825		15,090				15,090	U
107	DCRS/DPL	A		1,415		638				638	U
108	Airborne Mine Countermeasures	A		23,152		14,098				14,098	U
109	Aviation Support Equipment	A		47,105		49,773				49,773	U
	Total Aviation Support Equipment			370,526		419,225				419,225	

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 (Dollars in Thousands)

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
98	Electrical Power Systems Cryptographic Equipment	A									U
99	Info Systems Security Program (ISSP)	A		85,694						85,694	U
100	MIO Intel Exploitation Team Cryptologic Equipment	A		920						920	U
101	Cryptologic Communications Equip Other Electronic Support	A		21,098						21,098	U
102	Coast Guard Equipment	A		32,291						32,291	U
Total Communications & Electronics Equip				2,122,908		12,000				2,134,908	
Budget Activity 03: Aviation Support Equipment											

Sonobuoys											
103	Sonobuoys - All Types	A		162,588						162,588	U
Aircraft Support Equipment											
104	Weapons Range Support Equipment	A		58,116						58,116	U
105	Aircraft Support Equipment	A		120,324						120,324	U
106	Meteorological Equipment	A		29,253						29,253	U
107	DCRS/DPL	A		632						632	U
108	Airborne Mine Countermeasures	A		29,097						29,097	U
109	Aviation Support Equipment	A		39,099						39,099	U
Total Aviation Support Equipment				439,109						439,109	

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 04: Ordnance Support Equipment											

Ship Gun System Equipment											
110	Ship Gun Systems Equipment	A		5,572		5,300				5,300	U
Ship Missile Systems Equipment											
111	Ship Missile Support Equipment	A		143,570		276,503				276,503	U
112	Tomahawk Support Equipment	A		60,062		71,245				71,245	U
FBM Support Equipment											
113	Strategic Missile Systems Equip	A		209,583		240,694				240,694	U
ASW Support Equipment											
114	SSN Combat Control Systems	A		60,767		96,040				96,040	U
115	ASW Support Equipment	A		7,559		30,189				30,189	U
Other Ordnance Support Equipment											
116	Explosive Ordnance Disposal Equip	B		124,549		22,623				22,623	U
117	Items Less Than \$5 Million	A		10,759		9,906				9,906	U
Other Expendable Ordnance											
118	Submarine Training Device Mods	A									U
119	Training Device Mods	A		70,672		99,707				99,707	U
120	Surface Training Equipment	A									U
Total Ordnance Support Equipment				693,093		852,207				852,207	

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 04: Ordnance Support Equipment											

Ship Gun System Equipment											
110	Ship Gun Systems Equipment	A		6,191						6,191	U
Ship Missile Systems Equipment											
111	Ship Missile Support Equipment	A		320,446						320,446	U
112	Tomahawk Support Equipment	A		71,046						71,046	U
FBM Support Equipment											
113	Strategic Missile Systems Equip	A		215,138						215,138	U
ASW Support Equipment											
114	SSN Combat Control Systems	A		130,715						130,715	U
115	ASW Support Equipment	A		26,431						26,431	U
Other Ordnance Support Equipment											
116	Explosive Ordnance Disposal Equip	B		11,821		99,329				111,150	U
117	Items Less Than \$5 Million	A		6,243						6,243	U
Other Expendable Ordnance											
118	Submarine Training Device Mods	A		48,020						48,020	U
119	Training Device Mods	A									U
120	Surface Training Equipment	A		97,514						97,514	U
Total Ordnance Support Equipment				933,565		99,329				1,032,894	

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 05: Civil Engineering Support Equip											

Civil Engineering Support Equipment											
121	Passenger Carrying Vehicles	A		2,282		2,252		186		2,438	U
122	General Purpose Trucks	A		547		2,191				2,191	U
123	Construction & Maintenance Equip	A		7,256		2,164				2,164	U
124	Fire Fighting Equipment	A		15,321		14,705				14,705	U
125	Tactical Vehicles	B		766		2,497				2,497	U
126	Amphibious Equipment	A		8,682		12,517				12,517	U
127	Pollution Control Equipment	A		2,942		3,018				3,018	U
128	Items Under \$5 Million	A		15,553		14,403				14,403	U
129	Physical Security Vehicles	A		1,177		1,186				1,186	U
	Total Civil Engineering Support Equip			54,526		54,933		186		55,119	
Budget Activity 06: Supply Support Equipment											

Supply Support Equipment											
130	Materials Handling Equipment	A		11,387		18,805				18,805	U
131	Supply Equipment	A									U
132	Other Supply Support Equipment	A		6,674		10,469				10,469	U
133	First Destination Transportation	A		5,724		5,720				5,720	U
134	Special Purpose Supply Systems	A		69,098		211,714				211,714	U
	Total Supply Support Equipment			92,883		246,708				246,708	

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 05: Civil Engineering Support Equip											

Civil Engineering Support Equipment											
121	Passenger Carrying Vehicles	A		8,853						8,853	U
122	General Purpose Trucks	A		4,928						4,928	U
123	Construction & Maintenance Equip	A		18,527						18,527	U
124	Fire Fighting Equipment	A		13,569		630				14,199	U
125	Tactical Vehicles	B		14,917						14,917	U
126	Amphibious Equipment	A		7,676						7,676	U
127	Pollution Control Equipment	A		2,321						2,321	U
128	Items Under \$5 Million	A		12,459						12,459	U
129	Physical Security Vehicles	A		1,095						1,095	U
Total Civil Engineering Support Equip				84,345		630				84,975	
Budget Activity 06: Supply Support Equipment											

Supply Support Equipment											
130	Materials Handling Equipment	A									U
131	Supply Equipment	A		16,023						16,023	U
132	Other Supply Support Equipment	A									U
133	First Destination Transportation	A		5,115		25				5,140	U
134	Special Purpose Supply Systems	A		295,471						295,471	U
Total Supply Support Equipment				316,609		25				316,634	

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Line No	Item Nomenclature	Ident Code	FY 2015 (Base & OCO)		FY 2016 Base Enacted		FY 2016 OCO Enacted		FY 2016 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 07: Personnel & Command Support Equip											

Training Devices											
135	Training Support Equipment	A		22,871		7,468				7,468	U
136	Training and Education Equipment	A									U
Command Support Equipment											
137	Command Support Equipment	A		26,238		36,433				36,433	U
138	Education Support Equipment	A		874		3,180				3,180	U
139	Medical Support Equipment	A		2,108		4,790				4,790	U
141	Naval MIP Support Equipment	A		3,573		4,608				4,608	U
142	Operating Forces Support Equipment	A				5,655				5,655	U
143	C4ISR Equipment	A		24,459		9,929				9,929	U
144	Environmental Support Equipment	A		18,030		23,009				23,009	U
145	Physical Security Equipment	A		82,132		88,453				88,453	U
146	Enterprise Information Technology	A		87,214		99,094				99,094	U
Other											
149	Cancelled Account Adjustments	A		74							U
150	Next Generation Enterprise Service	A		106,165		99,014				99,014	U
999	Classified Programs			13,247		21,439		12,000		33,439	U
Total Personnel & Command Support Equip				386,985		403,072		12,000		415,072	

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 07: Personnel & Command Support Equip											

Training Devices											
135	Training Support Equipment	A									U
136	Training and Education Equipment	A		9,504						9,504	U
Command Support Equipment											
137	Command Support Equipment	A		37,180		10,562				47,742	U
138	Education Support Equipment	A									U
139	Medical Support Equipment	A		4,128				5,000		9,128	U
141	Naval MIP Support Equipment	A		1,925						1,925	U
142	Operating Forces Support Equipment	A		4,777						4,777	U
143	C4ISR Equipment	A		9,073						9,073	U
144	Environmental Support Equipment	A		21,107						21,107	U
145	Physical Security Equipment	A		100,906						100,906	U
146	Enterprise Information Technology	A		67,544						67,544	U
Other											
149	Cancelled Account Adjustments	A									U
150	Next Generation Enterprise Service	A		98,216						98,216	U
999	Classified Programs			9,915		1,660				11,575	U
Total Personnel & Command Support Equip				364,275		12,222		5,000		381,497	

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 08: Spares and Repair Parts											

Spares and Repair Parts											
151	Spares and Repair Parts	A	302,471		307,464				307,464		U
			-----		-----		-----		-----		
Total Spares and Repair Parts			302,471		307,464				307,464		
			-----		-----		-----		-----		
Total Other Procurement, Navy			6,405,148		6,484,257		12,186		6,496,443		

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 OCO Amendment		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 08: Spares and Repair Parts											

Spares and Repair Parts											
151	Spares and Repair Parts	A	199,660						199,660		U
			-----		-----		-----		-----		
Total Spares and Repair Parts			199,660						199,660		
			-----		-----		-----		-----		
Total Other Procurement, Navy			6,338,861		124,206		5,000		6,468,067		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
6003 / Passenger Carrying Vehicles

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	2.282	2.438	8.853	0.000	8.853	4.030	2.942	2.673	2.726	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	2.282	2.438	8.853	0.000	8.853	4.030	2.942	2.673	2.726	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.282	2.438	8.853	0.000	8.853	4.030	2.942	2.673	2.726	Continuing	Continuing

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

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

Description:

This budget line item funds procurement of passenger-carrying vehicles consisting of buses, automobiles, ambulances, and various utility and carryall trucks up to 9200 lbs. Gross Vehicle Weight Rating (GVWR). These vehicles are utilized by Naval operating forces and shore activities for essential transportation of personnel in the execution of official Navy business. Funding in this line also supports the Joint POW/MIA Accounting Command (JPAC).

Buses procured are 20 to 60 passenger school buses, shuttle buses, intercity buses, and ambulance buses, which provide the most cost effective means to transport groups of people between various locations. Buses are used to transport sailors/airmen and reserve personnel for flight/ship logistic related assignments, mandatory military training and exercises, and for transportation of personnel between administrative areas, ships/airfields, and industrial areas on a daily basis (both scheduled and intermittent).

Automobiles are used to transport small groups of personnel, on and off base, for various work related activities. Law enforcement automobiles provide essential transportation services to insure optimum responsiveness in support of DOD intelligence and base security missions. They are used in Naval intelligence, investigative and surveillance operations, security patrols, and other law enforcement activities.

Ambulances are used by the Medical Corps at Navy hospitals, clinics, and by Naval Expeditionary Medical Command Units. Modular ambulances are used for emergency transport of personnel where emergency medical services are provided in route. Field ambulances provide the same emergency service, but are four-wheel drive to access remote sites in support of field units. Patient transport ambulances are used for transporting stabilized patients to specialized care/other medical facilities. Ambulance conversion buses are used to move mixed loads of ambulatory and/or stretcher-borne patients.

Maintenance/utility trucks are utilized to transport tools, supplies, materials, and equipment necessary for maintenance personnel performing facility maintenance at shore facilities. Carryalls are used for transporting sailors, flight crews, maintenance, and civilian personnel to work sites or for other mission related activities.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
 6003 / Passenger Carrying Vehicles

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Passenger Carrying Vehicles	P-5a			- / 0.000	- / 2.282	- / 2.438	- / 8.854	- / -	- / 8.854
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 2.282	- / 2.438	- / 8.853	- / 0.000	- / 8.853

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 The funds requested in FY 2017 will provide for recapitalization requirements to support fielding a fleet of equipment within useful life expectancy.

The funding increase will also support Presidential energy goals of reduced fuel consumption through procurement of more fuel efficient and alternative fueled vehicles. The Federal Fleet Performance memorandum, signed 24 May 2011, directed that, by 31 December 2015, all new light duty vehicles leased or purchased by agencies be alternative fueled vehicles and Executive Order 13514 outlined fossil fuel reduction goals.

FY 2017 decrease in Passenger Carrying Vehicles OPN by \$0.487M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy															Date: November 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles					Aggregated Items Title: Passenger Carrying Vehicles										
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) Buses																				
1.3) BUS MOTOR BOC 36 PASSENGER 4X2 DED AUTOMATIC ^(†)	A		-	-	-	103,608.00	3	0.311	-	-	-	-	-	-	-	-	-	-	-	
1.4) BUS MOTOR BOC 36 PASSENGER 4X2 DED AUTOMATIC (AFV) ^(†)	A		-	-	-	-	-	-	115,688.00	2	0.231	116,886.00	9	1.052	-	-	-	116,886.00	9	1.052
Subtotal: 1) Buses			-	-	0.000	-	-	0.311	-	-	0.231	-	-	1.052	-	-	-	-	-	1.052
2) Automobiles																				
2.1) SEDAN COMPACT 5 PASSENGER 4 DOOR (AFV) ^(†)	A		-	-	-	-	-	-	35,873.00	3	0.108	36,467.00	12	0.438	-	-	-	36,467.00	12	0.438
2.2) SEDAN COMPACT 5 PASSENGER 4 DOOR (EV) ^(†)	A		-	-	-	24,301.00	3	0.073	-	-	-	-	-	-	-	-	-	-	-	
2.3) SEDAN COMPACT FOREIGN ^(†)	A		-	-	-	26,872.00	4	0.107	27,496.00	3	0.082	28,033.00	10	0.280	-	-	-	28,033.00	10	0.280
Subtotal: 2) Automobiles			-	-	0.000	-	-	0.180	-	-	0.190	-	-	0.718	-	-	-	-	-	0.718
3) Ambulances																				
3.1) TRUCK AMBULANCE FIELD COM 4 LITTER 4X4 RIGHT HAND DRIVE ^(†)	A		-	-	-	84,324.00	2	0.169	85,912.00	3	0.258	85,988.00	9	0.774	-	-	-	85,988.00	9	0.774
3.2) TRUCK AMBULANCE FIELD COM 4X4 DED ^(†)	A		-	-	-	-	-	-	93,081.00	2	0.186	-	-	-	-	-	-	-	-	
3.3) TRUCK AMBULANCE MODULAR BODY 4X4 2 LITTER ^(†)	A		-	-	-	112,321.00	1	0.112	-	-	-	-	-	-	-	-	-	-	-	
3.4) TRUCK AMBULANCE MODULAR BODY 4X4 2 LITTER (AFV) ^(†)	A		-	-	-	-	-	-	114,326.00	2	0.229	114,840.00	8	0.919	-	-	-	114,840.00	8	0.919
3.5) TRUCK AMBULANCE VAN	A		-	-	-	62,560.00	2	0.125	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6003 / Passenger Carrying Vehicles **Aggregated Items Title:** Passenger Carrying Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
CONVERSION COM 2 LITTER ^(†)																				
3.6) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER (AFV) ^(†)	A		-	-	-	-	-	-	63,735.00	2	0.127	64,960.00	9	0.585	-	-	-	64,960.00	9	0.585
3.7) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER RIGHT HAND DRIVE ^(†)	A		-	-	-	62,996.00	1	0.063	64,179.00	1	0.064	65,413.00	9	0.589	-	-	-	65,413.00	9	0.589
Subtotal: 3) Ambulances			-	-	0.000	-	-	0.469	-	-	0.864	-	-	2.867	-	-	-	-	-	2.867
4) Utility and Carryall Trucks																				
4.2) TRUCK UTILITY COMM 4X4 4500 GVW ^(†)	A		-	-	-	39,577.00	4	0.158	-	-	-	-	-	-	-	-	-	-	-	-
4.3) TRUCK UTILITY COMM 4X4 4500 GVW (AFV) ^(†)	A		-	-	-	-	-	-	40,249.00	2	0.080	41,096.00	11	0.452	-	-	-	41,096.00	11	0.452
4.4) TRUCK UTILITY COMM 4 DOOR 5 PASSENGER ^(†)	A		-	-	-	46,898.00	3	0.141	-	-	-	-	-	-	-	-	-	-	-	-
4.5) TRUCK UTILITY COMM 4 DOOR 5 PASSENGER (AFV) ^(†)	A		-	-	-	-	-	-	47,753.00	3	0.143	48,698.00	16	0.779	-	-	-	48,698.00	16	0.779
4.6) TRUCK UTILITY COMM 4500 GVW ^(†)	A		-	-	-	27,707.00	4	0.111	-	-	-	-	-	-	-	-	-	-	-	-
4.7) TRUCK UTILITY COMM 4500 GVW (AFV) ^(†)	A		-	-	-	-	-	-	30,684.00	1	0.031	31,322.00	10	0.313	-	-	-	31,322.00	10	0.313
4.8) TRUCK UTILITY COMM 4X4 4500 GVW RHD JAPAN ^(†)	A		-	-	-	26,857.00	7	0.188	27,787.00	3	0.083	28,401.00	10	0.284	-	-	-	28,401.00	10	0.284
4.9) TRUCK UTILITY COMMERCIAL 4X4 4 DOOR ^(†)	A		-	-	-	61,165.00	4	0.245	-	-	-	-	-	-	-	-	-	-	-	-
4.10) TRUCK UTILITY COMMERCIAL 4X4 4 DOOR (AFV) ^(†)	A		-	-	-	-	-	-	62,327.00	5	0.312	63,511.00	11	0.699	-	-	-	63,511.00	11	0.699
4.11) TRUCK VAN COMPACT F/C 7 PASSENGER 4200 GVW ^(†)	A		-	-	-	20,982.00	6	0.126	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6003 / Passenger Carrying Vehicles **Aggregated Items Title:** Passenger Carrying Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
4.12) TRUCK VAN COMPACT F/C 7 PASSENGER 4200 GVW (AFV) ^(†)	A		-	-	-	-	-	-	24,336.00	4	0.097	24,853.00	14	0.348	-	-	-	24,853.00	14	0.348
4.13) TRUCK VAN F/ C 12 PASSENGER 8500 GVW ^(†)	A		-	-	-	19,254.00	3	0.058	-	-	-	-	-	-	-	-	-	-	-	-
4.14) TRUCK VAN F/ C 12 PASSENGER 8500 GVW (AFV) ^(†)	A		-	-	-	-	-	-	19,620.00	4	0.078	19,993.00	15	0.300	-	-	-	19,993.00	15	0.300
4.15) TRUCK VAN F/ C 15 PASSENGER 8500 GVW ^(†)	A		-	-	-	26,053.00	6	0.156	-	-	-	-	-	-	-	-	-	-	-	-
4.16) TRUCK VAN F/ C 15 PASSENGER 8500 GVW (AFV) ^(†)	A		-	-	-	-	-	-	26,030.00	6	0.156	27,434.00	15	0.412	-	-	-	27,434.00	15	0.412
4.17) TRUCK VAN F/C 8 PASSENGER 6000 GVW ^(†)	A		-	-	-	20,654.00	4	0.083	-	-	-	-	-	-	-	-	-	-	-	-
4.18) TRUCK VAN F/C 8 PASSENGER 6000 GVW (AFV) ^(†)	A		-	-	-	-	-	-	21,098.00	5	0.105	21,567.00	14	0.302	-	-	-	21,567.00	14	0.302
4.19) TRUCK VAN F/C 8 PASSENGER RIGHT HAND DRIVE ^(†)	A		-	-	-	27,911.00	2	0.056	28,539.00	2	0.057	29,112.00	11	0.320	-	-	-	29,112.00	11	0.320
Subtotal: 4) Utility and Carryall Trucks			-	-	0.000	-	-	1.322	-	-	1.142	-	-	4.209	-	-	-	-	-	4.209
5) Support Costs																				
5.1) ILS Support Cost	A		-	-	-	-	-	-	-	-	0.011	-	-	0.008	-	-	-	-	-	0.008
Subtotal: 5) Support Costs			-	-	0.000	-	-	-	-	-	0.011	-	-	0.008	-	-	-	-	-	0.008
Total			-	-	0.000	-	-	2.282	-	-	2.438	-	-	8.854	-	-	-	-	-	8.854

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy										Date: November 2016			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1				P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles				Aggregated Items: Passenger Carrying Vehicles					
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date	
1) Buses													
1.3) BUS MOTOR BOC 36 PASSENGER 4X2 DED AUTOMATIC		2015	Blue Bird Corp / Fort Valley, GA	MIPR	GSA	Feb 2015	Aug 2015	3	103,608.00	Y			
1.4) BUS MOTOR BOC 36 PASSENGER 4X2 DED AUTOMATIC (AFV)		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	2	115,688.00	Y			
1.4) BUS MOTOR BOC 36 PASSENGER 4X2 DED AUTOMATIC (AFV)		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Sep 2017	9	116,886.00	Y			
2) Automobiles													
2.1) SEDAN COMPACT 5 PASSENGER 4 DOOR (AFV)		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	3	35,873.00	Y			
2.1) SEDAN COMPACT 5 PASSENGER 4 DOOR (AFV)		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Sep 2017	12	36,467.00	Y			
2.2) SEDAN COMPACT 5 PASSENGER 4 DOOR (EV)		2015	Ford Motor Co / Dearborn, MI	MIPR	GSA	Mar 2015	Aug 2015	3	24,301.00	Y			
2.3) SEDAN COMPACT FOREIGN		2015	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2016	Sep 2016	4	26,872.00	Y			
2.3) SEDAN COMPACT FOREIGN		2016	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2016	Sep 2016	3	27,496.00	Y			
2.3) SEDAN COMPACT FOREIGN		2017	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2017	Sep 2017	10	28,033.00	Y			
3) Ambulances													
3.1) TRUCK AMBULANCE FIELD COM 4 LITTER 4X4 RIGHT HAND DRIVE		2015	TOYOTA MOTOR CO / Bunkyo-Ku, Japan	C / FP	FEAD Yokosuka	Apr 2015	Oct 2015	2	84,324.00	Y			
3.1) TRUCK AMBULANCE FIELD COM 4 LITTER 4X4 RIGHT HAND DRIVE		2016	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2016	Sep 2016	3	85,912.00	Y			
3.1) TRUCK AMBULANCE FIELD COM 4 LITTER 4X4 RIGHT HAND DRIVE		2017	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2017	Sep 2017	9	85,988.00	Y			
3.2) TRUCK AMBULANCE FIELD COM 4X4 DED	✓	2016	Unknown / Unknown	MIPR	GSA	Jun 2016	Feb 2017	2	93,081.00	Y			
3.3) TRUCK AMBULANCE MODULAR BODY 4X4 2 LITTER		2015	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	1	112,321.00	Y			
3.4) TRUCK AMBULANCE MODULAR BODY 4X4 2 LITTER (AFV)		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	2	114,326.00	Y			
3.4) TRUCK AMBULANCE MODULAR BODY 4X4 2 LITTER (AFV)		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Sep 2017	8	114,840.00	Y			

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles	Aggregated Items: Passenger Carrying Vehicles
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.5) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER		2015	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	2	62,560.00	Y		
3.6) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER (AFV)		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	2	63,735.00	Y		
3.6) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER (AFV)		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Sep 2017	9	64,960.00	Y		
3.7) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER RIGHT HAND DRIVE		2015	TOYOTA MOTOR CO / Bunkyo-Ku, Japan	C / FP	FEAD Yokosuka	Apr 2015	Oct 2015	1	62,996.00	Y		
3.7) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER RIGHT HAND DRIVE		2016	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2016	Sep 2016	1	64,179.00	Y		
3.7) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER RIGHT HAND DRIVE		2017	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2017	Sep 2017	9	65,413.00	Y		

4) Utility and Carryall Trucks

4.2) TRUCK UTILITY COMM 4X4 4500 GVW		2015	Unknown / Unknown	Various	GSA	Mar 2016	Sep 2016	4	39,577.00	Y		
4.3) TRUCK UTILITY COMM 4X4 4500 GVW (AFV)		2016	Unknown / Unknown	Various	GSA	Mar 2016	Sep 2016	2	40,249.00	Y		
4.3) TRUCK UTILITY COMM 4X4 4500 GVW (AFV)		2017	Unknown / Unknown	Various	GSA	Mar 2017	Sep 2017	11	41,096.00	Y		
4.4) TRUCK UTILITY COMM 4 DOOR 5 PASSENGER		2015	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	3	46,898.00	Y		
4.5) TRUCK UTILITY COMM 4 DOOR 5 PASSENGER (AFV)		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	3	47,753.00	Y		
4.5) TRUCK UTILITY COMM 4 DOOR 5 PASSENGER (AFV)		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Sep 2017	16	48,698.00	Y		
4.6) TRUCK UTILITY COMM 4500 GVW		2015	Ford Motor Company / Dearborn, MI	Various	GSA	Mar 2015	Aug 2015	4	27,707.00	Y		
4.7) TRUCK UTILITY COMM 4500 GVW (AFV)		2016	Unknown / Unknown	Various	GSA	Mar 2016	Sep 2016	1	30,684.00	Y		
4.7) TRUCK UTILITY COMM 4500 GVW (AFV)		2017	Unknown / Unknown	Various	GSA	Mar 2017	Sep 2017	10	31,322.00	Y		
4.8) TRUCK UTILITY COMM 4X4 4500 GVW RHD JAPAN		2015	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2016	Sep 2016	7	26,857.00	Y		
4.8) TRUCK UTILITY COMM 4X4 4500 GVW RHD JAPAN		2016	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2016	Sep 2016	3	27,787.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6003 / Passenger Carrying Vehicles **Aggregated Items:** Passenger Carrying Vehicles

Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.8) TRUCK UTILITY COMM 4X4 4500 GVW RHD JAPAN		2017	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2017	Sep 2017	10	28,401.00	Y		
4.9) TRUCK UTILITY COMMERCIAL 4X4 4 DOOR		2015	Unknown / Unknown	Various	GSA	Mar 2016	Sep 2016	4	61,165.00	Y		
4.10) TRUCK UTILITY COMMERCIAL 4X4 4 DOOR (AFV)		2016	Unknown / Unknown	Various	GSA	Mar 2016	Sep 2016	5	62,327.00	Y		
4.10) TRUCK UTILITY COMMERCIAL 4X4 4 DOOR (AFV)		2017	Unknown / Unknown	Various	GSA	Mar 2017	Sep 2017	11	63,511.00	Y		
4.11) TRUCK VAN COMPACT F/C 7 PASSENGER 4200 GVW		2015	Ford Motor Company / Dearborn, MI	MIPR	GSA	Jul 2015	Jan 2016	6	20,982.00	Y		
4.12) TRUCK VAN COMPACT F/C 7 PASSENGER 4200 GVW (AFV)		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	4	24,336.00	Y		
4.12) TRUCK VAN COMPACT F/C 7 PASSENGER 4200 GVW (AFV)		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Sep 2017	14	24,853.00	Y		
4.13) TRUCK VAN F/C 12 PASSENGER 8500 GVW		2015	Ford Motor Co / Dearborn, MI	MIPR	GSA	Apr 2015	Oct 2015	3	19,254.00	Y		
4.14) TRUCK VAN F/C 12 PASSENGER 8500 GVW (AFV)		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	4	19,620.00	Y		
4.14) TRUCK VAN F/C 12 PASSENGER 8500 GVW (AFV)		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Sep 2017	15	19,993.00	Y		
4.15) TRUCK VAN F/C 15 PASSENGER 8500 GVW		2015	Ford Motor Co / Dearborn, MI	MIPR	GSA	May 2015	Nov 2015	6	26,053.00	Y		
4.16) TRUCK VAN F/C 15 PASSENGER 8500 GVW (AFV)		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	6	26,030.00	Y		
4.16) TRUCK VAN F/C 15 PASSENGER 8500 GVW (AFV)		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Sep 2017	15	27,434.00	Y		
4.17) TRUCK VAN F/C 8 PASSENGER 6000 GVW		2015	GM MOTORS / Detroit, MI	Various	Various	Apr 2015	Oct 2015	4	20,654.00	Y		
4.18) TRUCK VAN F/C 8 PASSENGER 6000 GVW (AFV)		2016	Unknown / Unknown	Various	Various	Mar 2016	Sep 2016	5	21,098.00	Y		
4.18) TRUCK VAN F/C 8 PASSENGER 6000 GVW (AFV)		2017	Unknown / Unknown	Various	Various	Mar 2017	Sep 2017	14	21,567.00	Y		
4.19) TRUCK VAN F/C 8 PASSENGER RIGHT HAND DRIVE		2015	Unknown / Unknown	C / FP	Various	Mar 2016	Sep 2016	2	27,911.00	Y		
4.19) TRUCK VAN F/C 8 PASSENGER RIGHT HAND DRIVE		2016	Unknown / Unknown	C / FP	Various	Mar 2016	Sep 2016	2	28,539.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy	Date: November 2016
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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles	Aggregated Items: Passenger Carrying Vehicles
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.19) TRUCK VAN F/C 8 PASSENGER RIGHT HAND DRIVE		2017	Unknown / Unknown	C / FP	Various	Mar 2017	Sep 2017	11	29,112.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment	P-1 Line Item Number / Title: 6007 / General Purpose Trucks
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.547	2.191	4.928	0.000	4.928	2.104	2.161	2.303	2.348	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.547	2.191	4.928	0.000	4.928	2.104	2.161	2.303	2.348	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.547	2.191	4.928	0.000	4.928	2.104	2.161	2.303	2.348	Continuing	Continuing

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

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

Description:

This budget line item procures various sizes of utility and cargo trucks of commercial design.

Cargo pickup trucks are used to transport personnel and equipment in support of fleet operations where such mobility is necessary to support the mission. The maintenance/utility trucks are used to transport tools/materials necessary for maintenance personnel performing facility maintenance. Panel and multi-stop trucks are used primarily for the movement of material/equipment requiring protection in an enclosed van-type body and freight trucks are used to move palletized material from warehouses to users. Funding is also included in this line for specialized operations such as the Joint POW/MIA Accounting Command (JPAC), and other mission specific equipment.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
6007 / General Purpose Trucks

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	General Purpose Trucks	P-5a			- / 0.000	- / 0.547	- / 2.190	- / 4.930	- / -	- / 4.930
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.547	- / 2.191	- / 4.928	- / 0.000	- / 4.928

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
The funds requested in FY 2017 will provide for recapitalization requirements to support fielding a fleet of equipment within useful life expectancy.

The funding increase will support Presidential energy goals of reduced fuel consumption through procurement of more fuel efficient and alternative fueled vehicles. The Federal Fleet Performance memorandum, signed 24 May 2011, directed that, by 31 December 2015, all new light duty vehicles leased or purchased by agencies be alternative fueled vehicles and Executive Order 13514 outlined fossil fuel reduction goals.

FY 2017 decrease in General Purpose Trucks OPN by \$0.084M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6007 / General Purpose Trucks **Aggregated Items Title:** General Purpose Trucks

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) Utility Trucks																				
1.1) LSSV MAINTENANCE UTILITY CREWCAB 4X4 ^(†)	A		-	-	-	67,490.00	2	0.135	-	-	-	-	-	-	-	-	-	-	-	-
1.2) TRUCK, UTILITY GROUNDS MAINTENANCE, 6X4, DED ^(†)	A		-	-	-	19,030.00	2	0.038	19,064.00	22	0.419	-	-	-	-	-	-	-	-	-
1.3) ILS for UTILITY TRUCKS	A		-	-	-	-	-	-	-	-	0.009	-	-	-	-	-	-	-	-	-
Subtotal: 1) Utility Trucks			-	-	0.000	-	-	0.173	-	-	0.428	-	-	-	-	-	-	-	-	-
2) Cargo Trucks																				
2.1) TRK MAINT UTIL 0722 ^(†)	A		-	-	-	-	-	-	35,253.00	3	0.106	35,924.00	4	0.144	-	-	-	35,924.00	4	0.144
2.2) TRK WRECKER ^(†)	A		-	-	-	-	-	-	-	-	-	97,408.00	3	0.292	-	-	-	97,408.00	3	0.292
2.3) TRUCK CARGO PICKUP 4 DOOR 4X4 9200 GVW ^(†)	A		-	-	-	-	-	-	35,467.00	1	0.035	36,124.00	6	0.217	-	-	-	36,124.00	6	0.217
2.4) TRUCK CARGO PICKUP 4 DR 8800 GVW ^(†)	A		-	-	-	28,179.00	2	0.056	28,658.00	7	0.201	29,289.00	5	0.146	-	-	-	29,289.00	5	0.146
2.5) TRUCK CARGO PICKUP 4 DR 9000 GVW W/WINCH ^(†)	A		-	-	-	-	-	-	-	-	-	30,452.00	7	0.213	-	-	-	30,452.00	7	0.213
2.6) TRUCK CARGO PICKUP 4400 GVW 4X4 COMPACT RIGHT HAND DRIVE ^(†)	A		-	-	-	-	-	-	23,658.00	4	0.095	24,141.00	7	0.169	-	-	-	24,141.00	7	0.169
2.7) TRUCK MAINTENANCE 10 TON W/800GAL FUEL STORAGE ^(†)	A		-	-	-	-	-	-	152,739.00	2	0.305	155,114.00	5	0.776	-	-	-	155,114.00	5	0.776
2.8) TRUCK MULTISTOP DELIVERY GED 14000GVW ^(†)	A		-	-	-	-	-	-	52,799.00	2	0.106	53,731.00	5	0.269	-	-	-	53,731.00	5	0.269
2.9) TRUCK PANEL FORWARD CONTROL ^(†)	A		-	-	-	26,520.00	1	0.027	26,992.00	2	0.054	27,486.00	4	0.110	-	-	-	27,486.00	4	0.110

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6007 / General Purpose Trucks **Aggregated Items Title:** General Purpose Trucks

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
2.10) TRUCK PICK-UP CARGO 4X2 3800 GVW ^(†)	A		-	-	-	19,202.00	1	0.019	19,528.00	3	0.059	19,958.00	4	0.080	-	-	-	19,958.00	4	0.080
2.11) TRUCK PICK-UP CARGO 4X2 5050 GVW ^(†)	A		-	-	-	19,606.00	2	0.039	19,939.00	3	0.060	20,378.00	5	0.102	-	-	-	20,378.00	5	0.102
2.12) TRUCK PICK-UP CARGO 4X2 6050 GVW ^(†)	A		-	-	-	-	-	-	21,384.00	6	0.128	21,826.00	7	0.153	-	-	-	21,826.00	7	0.153
2.13) TRUCK PICKUP CARGO 4X2 GED AUTOMATIC TRANSMISSION ^(†)	A		-	-	-	13,494.00	4	0.054	13,750.00	6	0.083	14,011.00	7	0.098	-	-	-	14,011.00	7	0.098
2.14) TRUCK PICK-UP CARGO 8FT BED 6250 GVW ^(†)	A		-	-	-	27,125.00	2	0.054	27,586.00	5	0.138	-	-	-	-	-	-	-	-	-
2.15) TRUCK STAKE 4X2 GED 25500 GVW ^(†)	A		-	-	-	-	-	-	69,138.00	2	0.138	92,767.00	6	0.557	-	-	-	92,767.00	6	0.557
2.16) TRUCK STAKE 4X2 GED 43000 GVW ^(†)	A		-	-	-	87,629.00	1	0.088	-	-	-	89,382.00	6	0.536	-	-	-	89,382.00	6	0.536
2.17) TRUCK STAKE 4X2 GED 52000 GVW ^(†)	A		-	-	-	-	-	-	-	-	-	121,041.00	4	0.484	-	-	-	121,041.00	4	0.484
2.18) TRUCK STAKE 4X2 GED 8500 GVW ^(†)	A		-	-	-	-	-	-	27,133.00	2	0.054	27,631.00	4	0.111	-	-	-	27,631.00	4	0.111
2.19) TRUCK STAKE 4X2 GED 8600 GVW ^(†)	A		-	-	-	-	-	-	25,059.00	2	0.050	25,535.00	5	0.128	-	-	-	25,535.00	5	0.128
2.20) TRUCK SUV 4 DR 7000 GVW ^(†)	A		-	-	-	36,813.00	1	0.037	37,595.00	4	0.150	38,370.00	9	0.345	-	-	-	38,370.00	9	0.345
Subtotal: 2) Cargo Trucks			-	-	0.000	-	-	0.374	-	-	1.762	-	-	4.930	-	-	-	-	-	4.930
Total			-	-	0.000	-	-	0.547	-	-	2.190	-	-	4.930	-	-	-	-	-	4.930

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) FY16 to FY17 increase in unit cost attributable to updated pricing research/information.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6007 / General Purpose Trucks					Aggregated Items: General Purpose Trucks				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Utility Trucks												
1.1) LSSV MAINTENANCE UTILITY CREWCAB 4X4		2015	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	2	67,490.00	Y		
1.2) TRUCK, UTILITY GROUNDS MAINTENANCE, 6X4, DED		2015	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	2	19,030.00	Y		
1.2) TRUCK, UTILITY GROUNDS MAINTENANCE, 6X4, DED		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Aug 2016	22	19,064.00	Y		
2) Cargo Trucks												
2.1) TRK MAINT UTIL 0722		2016	Unknown / Unknown	MIPR	GSA	Sep 2016	Jan 2017	3	35,253.00	Y		
2.1) TRK MAINT UTIL 0722		2017	Unknown / Unknown	MIPR	GSA	Sep 2017	Jan 2018	4	35,924.00	Y		
2.2) TRK WRECKER		2017	Unknown / Unknown	MIPR	GSA	Feb 2017	Jul 2017	3	97,408.00	Y		
2.3) TRUCK CARGO PICKUP 4 DOOR 4X4 9200 GVW		2016	Unknown / Unknown	MIPR	Various	Jun 2016	Oct 2016	1	35,467.00	Y		
2.3) TRUCK CARGO PICKUP 4 DOOR 4X4 9200 GVW		2017	Unknown / Unknown	MIPR	Various	Jun 2017	Oct 2017	6	36,124.00	Y		
2.4) TRUCK CARGO PICKUP 4 DR 8800 GVW		2015	Ford Motor Company / Dearborn, MI	MIPR	GSA	Oct 2014	Jan 2015	2	28,179.00	Y		
2.4) TRUCK CARGO PICKUP 4 DR 8800 GVW		2016	Unknown / Unknown	MIPR	GSA	Jun 2016	Dec 2016	7	28,658.00	Y		
2.4) TRUCK CARGO PICKUP 4 DR 8800 GVW		2017	Unknown / Unknown	MIPR	GSA	Jun 2017	Dec 2017	5	29,289.00	Y		
2.5) TRUCK CARGO PICKUP 4 DR 9000 GVW W/WINCH		2017	Unknown / Unknown	MIPR	GSA	Jun 2017	Dec 2017	7	30,452.00	Y		
2.6) TRUCK CARGO PICKUP 4400 GVW 4X4 COMPACT RIGHT HAND DRIVE		2016	Unknown / Unknown	C / FP	FEAD Yokosuka	Jun 2016	Dec 2016	4	23,658.00	Y		
2.6) TRUCK CARGO PICKUP 4400 GVW 4X4 COMPACT RIGHT HAND DRIVE		2017	Unknown / Unknown	C / FP	FEAD Yokosuka	Jun 2017	Dec 2017	7	24,141.00	Y		
2.7) TRUCK MAINTENANCE 10 TON W/800GAL FUEL STORAGE		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Jul 2016	2	152,739.00	Y		
2.7) TRUCK MAINTENANCE 10 TON W/800GAL FUEL STORAGE		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Jul 2017	5	155,114.00	Y		
2.8) TRUCK MULTISTOP DELIVERY GED 14000GVW		2016	Unknown / Unknown	MIPR	GSA	Jun 2016	Dec 2016	2	52,799.00	Y		
2.8) TRUCK MULTISTOP DELIVERY GED 14000GVW		2017	Unknown / Unknown	MIPR	GSA	Jun 2017	Dec 2017	5	53,731.00	Y		
2.9) TRUCK PANEL FORWARD CONTROL		2015	GM MOTORS / Detroit, MI	MIPR	GSA	Oct 2014	Jan 2015	1	26,520.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6007 / General Purpose Trucks	Aggregated Items: General Purpose Trucks
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.9) TRUCK PANEL FORWARD CONTROL		2016	Unknown / Unknown	MIPR	GSA	Feb 2016	Jun 2016	2	26,992.00	Y		
2.9) TRUCK PANEL FORWARD CONTROL		2017	Unknown / Unknown	MIPR	GSA	Feb 2017	Jun 2017	4	27,486.00	Y		
2.10) TRUCK PICK-UP CARGO 4X2 3800 GVW		2015	GM MOTORS / Detroit, MI	MIPR	GSA	Jan 2015	Apr 2015	1	19,202.00	Y		
2.10) TRUCK PICK-UP CARGO 4X2 3800 GVW		2016	Unknown / Unknown	MIPR	GSA	Feb 2016	Jul 2016	3	19,528.00	Y		
2.10) TRUCK PICK-UP CARGO 4X2 3800 GVW		2017	Unknown / Unknown	MIPR	GSA	Feb 2017	Jul 2017	4	19,958.00	N		
2.11) TRUCK PICK-UP CARGO 4X2 5050 GVW		2015	Ford Motor Company / Dearborn, MI	MIPR	GSA	Jan 2015	Apr 2015	2	19,606.00	Y		
2.11) TRUCK PICK-UP CARGO 4X2 5050 GVW		2016	Unknown / Unkown	MIPR	GSA	Apr 2016	Nov 2016	3	19,939.00	Y		
2.11) TRUCK PICK-UP CARGO 4X2 5050 GVW		2017	Unknown / Unkown	MIPR	GSA	Apr 2017	Nov 2017	5	20,378.00	Y		
2.12) TRUCK PICK-UP CARGO 4X2 6050 GVW		2016	Unknown / Unkown	MIPR	GSA	Jun 2016	Oct 2016	6	21,384.00	Y		
2.12) TRUCK PICK-UP CARGO 4X2 6050 GVW		2017	Unknown / Unkown	MIPR	GSA	Jun 2017	Oct 2017	7	21,826.00	Y		
2.13) TRUCK PICKUP CARGO 4X2 GED AUTOMATIC TRANSMISSION		2015	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	4	13,494.00	Y		
2.13) TRUCK PICKUP CARGO 4X2 GED AUTOMATIC TRANSMISSION		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Aug 2016	6	13,750.00	Y		
2.13) TRUCK PICKUP CARGO 4X2 GED AUTOMATIC TRANSMISSION		2017	Unknown / Unknown	MIPR	GSA	Mar 2017	Aug 2017	7	14,011.00	Y		
2.14) TRUCK PICK-UP CARGO 8FT BED 6250 GVW		2015	Chrysler Group / Auburn Hill, MI	MIPR	GSA	Mar 2015	Jun 2015	2	27,125.00	Y		
2.14) TRUCK PICK-UP CARGO 8FT BED 6250 GVW		2016	Unknown / Unknown	MIPR	GSA	Mar 2016	Aug 2016	5	27,586.00	Y		
2.15) TRUCK STAKE 4X2 GED 25500 GVW ⁽¹⁾		2016	Unknown / Unknown	MIPR	GSA	Jun 2016	Dec 2016	2	69,138.00	Y		
2.15) TRUCK STAKE 4X2 GED 25500 GVW ⁽¹⁾		2017	Unknown / Unknown	MIPR	GSA	Jun 2017	Dec 2017	6	92,767.00	Y		
2.16) TRUCK STAKE 4X2 GED 43000 GVW		2015	Navistar, Inc / Knoxville, TN	MIPR	GSA	Jan 2015	Jun 2015	1	87,629.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Number / Title: 6007 / General Purpose Trucks	Aggregated Items: General Purpose Trucks
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.16) TRUCK STAKE 4X2 GED 43000 GVW		2017	Unknown / Unknown	MIPR	GSA	Sep 2017	Mar 2018	6	89,382.00	Y		
2.17) TRUCK STAKE 4X2 GED 52000 GVW		2017	Unknown / Unknown	MIPR	GSA	Jun 2017	Nov 2017	4	121,041.00	Y		
2.18) TRUCK STAKE 4X2 GED 8500 GVW		2016	Unknown / Unknown	MIPR	GSA	Apr 2016	Nov 2016	2	27,133.00	Y		
2.18) TRUCK STAKE 4X2 GED 8500 GVW		2017	Unknown / Unknown	MIPR	GSA	Apr 2017	Nov 2017	4	27,631.00	Y		
2.19) TRUCK STAKE 4X2 GED 8600 GVW		2016	Unknown / Unknown	MIPR	GSA	Jun 2016	Dec 2016	2	25,059.00	Y		
2.19) TRUCK STAKE 4X2 GED 8600 GVW		2017	Unknown / Unknown	MIPR	GSA	Jun 2017	Dec 2017	5	25,535.00	Y		
2.20) TRUCK SUV 4 DR 7000 GVW		2015	Unknown / Unknown	MIPR	GSA	Mar 2016	Sep 2016	1	36,813.00	Y		
2.20) TRUCK SUV 4 DR 7000 GVW		2016	Unknown / Unknown	MIPR	GSA	Jun 2016	Dec 2016	4	37,595.00	Y		
2.20) TRUCK SUV 4 DR 7000 GVW		2017	Unknown / Unknown	MIPR	GSA	Jun 2017	Dec 2017	9	38,370.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
6024 / Construction & Maint Equip

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.018	7.256	2.164	18.527	0.000	18.527	22.111	17.171	17.568	17.939	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.018	7.256	2.164	18.527	0.000	18.527	22.111	17.171	17.568	17.939	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.018	7.256	2.164	18.527	0.000	18.527	22.111	17.171	17.568	17.939	Continuing	Continuing

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

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

Description:

This budget line item funds procurement of equipment used for a variety of construction, maintenance, and repair operations. This equipment is used by the Naval Expeditionary Combat Command, Naval Beach Group, Maritime Prepositioning Force, and other Special Operating Units, in support of advance bases and camp sites.

Earth Moving Equipment includes equipment such as ditching machines, excavators, graders, wheeled and tracked loaders, rollers, compactors, scrapers, off-highway dump trucks, crawler tractors, and industrial tractors. This equipment constitutes the backbone of the Naval Construction Force (NCF) in meeting their advanced base construction mission. Dependable earth moving equipment in the fleet and shore inventories is required for the building and renovation of runways and roads, demolition activities at old building sites, and underground utilities excavation.

Miscellaneous Construction Equipment includes four major categories of construction equipment:

-General mix, batch, concrete and asphalt working equipment consists of equipment such as portable concrete mixers, rock crushers, asphalt and water distributors, aggregate spreaders, and asphalt and rubberized compound heating kettles which are used to provide aggregate materials for asphalt mixing plants and concrete batching plants. This equipment is used by the NCF to provide advance base and forward port facility construction and runway, taxi apron, and work area paving projects.

-Air compressors and drilling operations equipment consists of portable air compressors of various sizes and capacities for construction and maintenance projects; rock drills for quarry production, pile hammers and extractors for construction, repair, and disassembly of causeways, docks, piers, and wharves; earth augers to support electrical distribution and communications systems; well drilling machines to supply water in support of Marine Corps contingencies and construction battalions at camp sites and advance bases.

-Floodlights and generators consists of portable floodlight trailers (with 6kW generators) which are used by the NCF to provide light for around-the-clock construction efforts and generators used as portable power to support power tools, runway lighting, and backup systems for electrical power distribution. This equipment is part of the DOD Mobile Electric Power Program (PM-MEP) which provides reliable standardized generators for all DOD components.

Other miscellaneous maintenance equipment consists of welders, decontamination apparatus, machine shop trailers and shredders. This equipment is used for a variety of maintenance, repair and construction operations and for purification and decontamination of personnel and equipment.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment		P-1 Line Item Number / Title: 6024 / Construction & Maint Equip
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Cranes (Weight Handling Equipment) includes truck or wheel-mounted cranes, straddle lifts, and crawler cranes. Truck mounted cranes have either lattice or hydraulic booms and range in size from 25 to 150 tons. Wheel-mounted cranes have hydraulic booms and range in size from 8 to 90 tons. Crawler cranes are used primarily for drag line and clam shell operations on terrain inaccessible with truck or wheel-mounted cranes. Amphibious Construction Battalions (PHIBCBs) use wheel-mounted hydraulic cranes and crawler cranes in over-the-beach operations and on elevated causeways (ELCAS).</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
 6024 / Construction & Maint Equip

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Construction & Maint Equip	P-5a			- / 0.018	- / 7.257	- / 2.166	- / 18.529	- / -	- / 18.529
P-40	Total Gross/Weapon System Cost				- / 0.018	- / 7.256	- / 2.164	- / 18.527	- / 0.000	- / 18.527

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 The funds requested in FY17 will provide for, but not limited to:
 - Airfield Damage Repair technology - Replace/update various equipment to close the gap on historical airfield repair technologies still in use today. Equipment includes but is not limited to: Asphalt recyclers, Front end Loaders, Backhoes, etc.
 - Cold Form Steel Systems - A method of building that is used commercially and is now planned for military use. This system will increase life safety due to less reliance on convoys to transport building materials through operational environments to operational building sites.
 - Investment in generators which are more fuel efficient than the current deployed assets, which in turn also lessen the burden of convoys for fuel.
 - Various Earthmoving equipment which has reached or surpassed its useful life.
 - Miscellaneous Construction equipment in need of recapitalization as it has reached or surpassed its useful life.

Investment in these areas had been deferred due to sequestration and other fiscal constraints which yields an increase in funding from FY16 to FY17.

FY 2017 decrease in Construction & Maint Equip OPN by \$0.779M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6024 / Construction & Maint Equip **Aggregated Items Title:** Construction & Maint Equip

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) EARTHMOVING																				
1.1) ARMORED SKID STEER LOADER ^(†)	A		-	-	-	-	-	-	-	-	324,950.00	4	1.300	-	-	-	324,950.00	4	1.300	
1.2) ARMORED, TRACKED SKID STEER LOADER ^(†)	A		-	-	-	212,500.00	4	0.850	-	-	-	-	-	-	-	-	-	-	-	
1.3) GRADER MOTORIZED ^(†)	A		-	-	-	192,908.00	1	0.193	195,573.00	1	0.196	200,308.00	1	0.200	-	-	-	200,308.00	1	0.200
1.4) GRADER ROAD 6X4 12 FT BLADE SCARIFIER ^(†)	A		-	-	-	253,344.00	5	1.267	-	-	-	262,665.00	1	0.263	-	-	-	262,665.00	1	0.263
1.7) LOADER SCOOP WH ^(†)	A		-	-	-	134,165.00	1	0.134	136,714.00	1	0.137	139,312.00	1	0.139	-	-	-	139,312.00	1	0.139
1.8) LOADER SCOOP WHL 2.5CY MP BKT FKS ^(†)	A		-	-	-	-	-	-	-	-	-	181,181.00	2	0.362	-	-	-	181,181.00	2	0.362
1.10) LOADER SKID CLOSED CAB DED B41/APH/FK ^(†)	A		-	-	-	61,393.00	22	1.351	52,859.00	2	0.106	63,811.00	3	0.191	-	-	-	63,811.00	3	0.191
1.11) LOADER SKID CLOSED CAB DED B41/APH/FK (RESERVE FORCES) ^(†)	A		-	-	-	-	-	-	-	-	-	63,811.00	6	0.383	-	-	-	63,811.00	6	0.383
1.12) SEMI STAKE 20T ^(†)	A		-	-	-	26,512.00	2	0.053	-	-	-	-	-	-	-	-	-	-	-	-
1.15) TRACTOR CRAWLER DED 240 HP WWATER FORD ^(†)	A		-	-	-	521,133.00	1	0.521	-	-	-	552,700.00	5	2.764	-	-	-	552,700.00	5	2.764
1.17) TRACTOR WHEELED INDUST 4X2 60 NET HP ^(†)	A		-	-	-	139,109.00	1	0.139	141,752.00	1	0.142	144,445.00	1	0.144	-	-	-	144,445.00	1	0.144
1.18) TRACTOR WHEELED INDUST 4X2 93HP LDR 1.3 CYD BCKT ^(†)	A		-	-	-	-	-	-	-	-	-	136,984.00	4	0.548	-	-	-	136,984.00	4	0.548
1.19) TRC WH IND10-70 ^(†)	A		-	-	-	-	-	-	-	-	-	64,849.00	1	0.065	-	-	-	64,849.00	1	0.065
Subtotal: 1) EARTHMOVING			-	-	0.000	-	-	4.508	-	-	0.581	-	-	6.359	-	-	-	-	-	6.359
2) MISC. CONSTRUCTION																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6024 / Construction & Maint Equip **Aggregated Items Title:** Construction & Maint Equip

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
2.1) CENTRAL MIX PLANT, CONCRETE 220 CY PH ^(†)	A		-	-	-	-	-	-	-	-	405,397.00	3	1.216	-	-	-	405,397.00	3	1.216	
2.2) ASPHALT RECYCLER ^(†)	A		-	-	-	-	-	-	-	-	260,000.00	10	2.600	-	-	-	260,000.00	10	2.600	
2.3) CHIPPER SPREADER ^{(1)(†)}	A		-	-	-	286,000.00	3	0.858	321,720.00	1	0.322	327,904.00	4	1.312	-	-	-	327,904.00	4	1.312
2.4) COLD FORMED STEEL FACTORY SYSTEMS ^(†)	A		-	-	-	-	-	-	-	-	1,028K	2	2.056	-	-	-	1,028K	2	2.056	
2.5) COMPRESSOR AIR ROTARY 365 CFM AT 100 PSIG DED ^(†)	A		-	-	-	40,732.00	2	0.081	-	-	-	42,388.00	2	0.085	-	-	-	42,388.00	2	0.085
2.8) ECU 8T 35KW GENERATOR TRAILER MOUNT ^(†)	A		-	-	-	101,226.00	14	1.417	103,149.00	2	0.206	105,212.00	20	2.104	-	-	-	105,212.00	20	2.104
2.10) FLOODLIGHT SET ELECTRIC SELF-CONTAINED TRLR-MTD ^(†)	A		-	-	-	13,239.00	3	0.040	13,491.00	2	0.027	13,747.00	20	0.275	-	-	-	13,747.00	20	0.275
2.11) FLOODLIGHT SET TRLR MTD W/ FOUR 1KW LUM DED 6KW GEN ^(†)	A		-	-	-	12,767.00	2	0.026	-	-	-	-	-	-	-	-	-	-	-	-
2.12) GEN 60KW 50/60HZ AMMPS NEW GENERATION MEP ^(†)	A		-	-	-	-	-	-	31,781.00	14	0.445	32,416.00	16	0.519	-	-	-	32,416.00	16	0.519
2.13) GEN SET 30KW DIESEL ENGINE 30 KW MEP805B ^(†)	A		-	-	-	-	-	-	-	-	35,246.00	4	0.141	-	-	-	35,246.00	4	0.141	
2.15) GENERATOR 60 KW MEP806B ^(†)	A		-	-	-	-	-	-	43,587.00	1	0.044	44,328.00	1	0.044	-	-	-	44,328.00	1	0.044
2.16) GENERATOR SET 100KW MEP807A TACT QUIET DED SKID ^(†)	A		-	-	-	-	-	-	90,326.00	5	0.452	92,133.00	5	0.461	-	-	-	92,133.00	5	0.461
2.17) HAMMER PILE SELF-POWERED DIESEL 22.4K FT LBS ^(†)	A		-	-	-	-	-	-	-	-	109,527.00	2	0.219	-	-	-	109,527.00	2	0.219	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6024 / Construction & Maint Equip **Aggregated Items Title:** Construction & Maint Equip

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
2.19) INDUSTRIAL SAW ATTACHMENT ^(†)	A		-	-	-	-	-	-	-	-	45,000.00	22	0.990	-	-	-	45,000.00	22	0.990	
2.20) PUMP CENTRIFUGAL DED SALT WATER 500 PGM AT 152FT ^(†)	A		-	-	-	12,666.00	4	0.051	-	-	-	-	-	-	-	-	-	-	-	
2.22) PUMP WATER/TRASH RECIPROCATING DED 100 GPM 4" ^(†)	A		-	-	-	-	-	-	9,291.00	3	0.028	-	-	-	-	-	-	-	-	
2.26) WELDER ARC ELECTRIC 300 AMPS AC/DC TIG DED ^(†)	A		-	-	-	36,515.00	3	0.110	37,209.00	1	0.037	-	-	-	-	-	-	-	-	
Subtotal: 2) MISC. CONSTRUCTION			-	-	0.000	-	-	2.583	-	-	1.561	-	-	12.022	-	-	-	-	12.022	
4) ILS SUPPORT COST																				
4.1) ILS SUPPORT COSTS	A		-	-	0.018	-	-	0.166	-	-	0.024	-	-	0.139	-	-	-	-	-	0.139
4.2) ILS SUPPORT COSTS (RESERVE FORCES)	A		-	-	-	-	-	-	-	-	-	-	0.009	-	-	-	-	-	-	0.009
Subtotal: 4) ILS SUPPORT COST			-	-	0.018	-	-	0.166	-	-	0.024	-	-	0.148	-	-	-	-	-	0.148
Total			-	-	0.018	-	-	7.257	-	-	2.166	-	-	18.529	-	-	-	-	-	18.529

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:
 (1) FY15 to FY16 increase in unit cost attributable to updated pricing research/information.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) EARTHMOVING												
1.1) ARMORED SKID STEER LOADER		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	Jun 2017	4	324,950.00	Y		
1.2) ARMORED, TRACKED SKID STEER LOADER		2015	Caterpillar, Inc / Mossville, IL	MIPR	DLA	Jan 2015	May 2015	4	212,500.00	Y		
1.3) GRADER MOTORIZED		2015	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Sep 2016	1	192,908.00	Y		
1.3) GRADER MOTORIZED		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Jun 2016	Dec 2016	1	195,573.00	Y		
1.3) GRADER MOTORIZED		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Jun 2017	Dec 2017	1	200,308.00	Y		
1.4) GRADER ROAD 6X4 12 FT BLADE SCARIFIER		2015	Caterpillar, Inc / Mossville, IL	MIPR	Army MEP	Sep 2015	Mar 2016	5	253,344.00	Y		
1.4) GRADER ROAD 6X4 12 FT BLADE SCARIFIER		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	1	262,665.00	Y		
1.7) LOADER SCOOP WH		2015	VOLVO CONSTRUCTION EQUIP / Shippensburg, PA	MIPR	DSCP	May 2015	Sep 2015	1	134,165.00	Y		
1.7) LOADER SCOOP WH		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Feb 2016	Jun 2016	1	136,714.00	Y		
1.7) LOADER SCOOP WH		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Feb 2017	Jun 2017	1	139,312.00	Y		
1.8) LOADER SCOOP WHL 2.5CY MP BKT FKS		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	2	181,181.00	Y		
1.10) LOADER SKID CLOSED CAB DED B41/APH/FK		2015	Caterpillar, Inc / Mossville, IL	MIPR	DLA	Jan 2015	Jul 2015	22	61,393.00	Y		
1.10) LOADER SKID CLOSED CAB DED B41/APH/FK		2016	UNKNOWN / UNKNOWN	MIPR	DLA	May 2016	Oct 2016	2	52,859.00	Y		
1.10) LOADER SKID CLOSED CAB DED B41/APH/FK		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	3	63,811.00	Y		
1.11) LOADER SKID CLOSED CAB DED B41/APH/FK (RESERVE FORCES)		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	6	63,811.00	Y		
1.12) SEMI STAKE 20T		2015	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Sep 2016	2	26,512.00	Y		
1.15) TRACTOR CRAWLER DED 240 HP W/WATER FORD		2015	Caterpillar, Inc / Mossville, IL	MIPR	DLA	Mar 2015	Sep 2015	1	521,133.00	Y		
1.15) TRACTOR CRAWLER DED 240 HP W/WATER FORD		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	Jun 2017	5	552,700.00	Y		
1.17) TRACTOR WHEELED INDUST 4X2 60 NET HP		2015	DEERE & CO JOHN DEERE / Cary, NC	MIPR	DSCP	May 2015	Dec 2015	1	139,109.00	Y		
1.17) TRACTOR WHEELED INDUST 4X2 60 NET HP		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2016	Aug 2016	1	141,752.00	Y		
1.17) TRACTOR WHEELED INDUST 4X2 60 NET HP		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2017	Aug 2017	1	144,445.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.18) TRACTOR WHEELED INDUST 4X2 93HP LDR 1.3 CYD BCKT		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2017	Aug 2017	4	136,984.00	Y		
1.19) TRC WH IND10-70		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Feb 2017	Jul 2017	1	64,849.00	Y		
2) MISC. CONSTRUCTION												
2.1) CENTRAL MIX PLANT, CONCRETE 220 CY PH		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	3	405,397.00	Y		
2.2) ASPHALT RECYCLER		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	10	260,000.00	Y		
2.3) CHIPPER SPREADER ⁽¹⁾		2015	UNKNOWN / UNKNOWN	MIPR	DLA	May 2016	Sep 2016	3	286,000.00	Y		
2.3) CHIPPER SPREADER ⁽¹⁾		2016	UNKNOWN / UNKNOWN	MIPR	DLA	May 2016	Sep 2016	1	321,720.00	Y		
2.3) CHIPPER SPREADER ⁽¹⁾		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	4	327,904.00	Y		
2.4) COLD FORMED STEEL FACTORY SYSTEMS		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	2	1,028K	Y		
2.5) COMPRESSOR AIR ROTARY 365 CFM AT 100 PSIG DED		2015	UNKNOWN / UNKNOWN	MIPR	DLA	May 2016	Sep 2016	2	40,732.00	Y		
2.5) COMPRESSOR AIR ROTARY 365 CFM AT 100 PSIG DED		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	2	42,388.00	Y		
2.8) ECU 8T 35KW GENERATOR TRAILER MOUNT		2015	HDT EXPEDITIONARY SYSTEMS / FAIRFIELD, VA	MIPR	Army MEP	Feb 2015	Jul 2015	14	101,226.00	Y		
2.8) ECU 8T 35KW GENERATOR TRAILER MOUNT		2016	UNKNOWN / UNKNOWN	MIPR	Army MEP	May 2016	Oct 2016	2	103,149.00	Y		
2.8) ECU 8T 35KW GENERATOR TRAILER MOUNT		2017	UNKNOWN / UNKNOWN	MIPR	Army MEP	Jan 2017	May 2017	20	105,212.00	Y		
2.10) FLOODLIGHT SET ELECTRIC SELF-CONTAINED TRLR-MTD		2015	UNKNOWN / UNKNOWN	C / FP	DSCP	Mar 2016	Sep 2016	3	13,239.00	Y		
2.10) FLOODLIGHT SET ELECTRIC SELF-CONTAINED TRLR-MTD		2016	UNKNOWN / UNKNOWN	C / FP	DSCP	Mar 2016	Jul 2016	2	13,491.00	Y		
2.10) FLOODLIGHT SET ELECTRIC SELF-CONTAINED TRLR-MTD		2017	UNKNOWN / UNKNOWN	C / FP	DSCP	Jan 2017	May 2017	20	13,747.00	Y		
2.11) FLOODLIGHT SET TRLR MTD W/FOUR 1KW LUM DED 6KW GEN		2015	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Sep 2016	2	12,767.00	Y		
2.12) GEN 60KW 50/60HZ AMMPS NEW GENERATION MEP		2016	UNKNOWN / UNKNOWN	MIPR	Army MEP	Mar 2016	Aug 2016	14	31,781.00	Y		
2.12) GEN 60KW 50/60HZ AMMPS NEW GENERATION MEP		2017	UNKNOWN / UNKNOWN	MIPR	Army MEP	Jan 2017	May 2017	16	32,416.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Number / Title: 6024 / Construction & Maint Equip	Aggregated Items: Construction & Maint Equip
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.13) GEN SET 30KW DIESEL ENGINE 30 KW MEP805B		2017	UNKNOWN / UNKNOWN	MIPR	Army MEP	Jan 2017	May 2017	4	35,246.00	Y		
2.15) GENERATOR 60 KW MEP806B		2016	UNKNOWN / UNKNOWN	MIPR	Army MEP	Feb 2016	Jul 2016	1	43,587.00	Y		
2.15) GENERATOR 60 KW MEP806B		2017	UNKNOWN / UNKNOWN	MIPR	Army MEP	Feb 2017	Jul 2017	1	44,328.00	Y		
2.16) GENERATOR SET 100KW MEP807A TACT QUIET DED SKID		2016	UNKNOWN / UNKNOWN	MIPR	Army MEP	Mar 2016	Aug 2016	5	90,326.00	Y		
2.16) GENERATOR SET 100KW MEP807A TACT QUIET DED SKID		2017	UNKNOWN / UNKNOWN	MIPR	Army MEP	Jan 2017	Jun 2017	5	92,133.00	Y		
2.17) HAMMER PILE SELF-POWERED DIESEL 22.4K FT LBS		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	2	109,527.00	Y		
2.19) INDUSTRIAL SAW ATTACHMENT		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	May 2017	22	45,000.00	Y		
2.20) PUMP CENTRIFUGAL DED SALT WATER 500 PGM AT 152FT		2015	UNKNOWN / UNKNOWN	MIPR	DLA	May 2016	Sep 2016	4	12,666.00	Y		
2.22) PUMP WATER/TRASH RECIPROCATING DED 100 GPM 4"		2016	UNKNOWN / UNKNOWN	MIPR	DLA	Mar 2016	Aug 2016	3	9,291.00	Y		
2.26) WELDER ARC ELECTRIC 300 AMPS AC/DC TIG DED		2015	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Sep 2016	3	36,515.00	Y		
2.26) WELDER ARC ELECTRIC 300 AMPS AC/DC TIG DED		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2016	Aug 2016	1	37,209.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment	P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	15.321	14.705	13.569	0.630	14.199	2.051	6.177	10.339	15.433	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	15.321	14.705	13.569	0.630	14.199	2.051	6.177	10.339	15.433	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	15.321	14.705	13.569	0.630	14.199	2.051	6.177	10.339	15.433	Continuing	Continuing

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

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

Description:

This budget line item funds procurement of aircraft fire/rescue trucks and structural/brush fire trucks.

The aircraft fire/rescue trucks are used at Naval Air Stations for combating aircraft fires and rescue of aircraft crews. The trucks range in size from a small 11,000 pound Gross Vehicle Weight Rating (GVWR) pickup with utility body and twin engine fire fighting unit to the 68,000 pound GVWR crash truck which carries 3,000 gallons of water and 200 gallons of AFFF (foam). The structural/brush fire trucks are used at Naval activities in the same manner as municipal fire trucks in fighting structural and grass fires.

The Navy's investment in ships, aircraft, facilities, personnel and equipment mandates having adequate fire protection. The requested funds are needed to comply with current National Fire Protection Association (NFPA) standards, sustain the Navy Firefighting Fleet and maintain an effective Firefighting Fleet Modernization Program consistent with findings identified in the DoD IG Report: D-2003-121 DoD Fire and Emergency Services Program. The Firefighting Fleet requires annual investments to ensure emergency response vehicles are within specified service life for safety, technological improvements, and maintenance sustainability. Highly reliable trucks are required as the emergency vehicles are key to success. Some older crash response trucks do not meet roll safety criteria, and require continued replacement to ensure safe working limits. As firefighter staffing is reduced and the all-hazards emergency response mission expands, the Navy's firefighting apparatus must evolve to provide additional capabilities for emergency medical services, rescue, confined space, hazardous materials, etc. The ability to save lives and protect property is essential in supporting the Navy's mission. The role of these trucks is to provide the Navy's response to structural fire emergencies, aircraft rescue fire fighting crashes, emergency medical services incidents, all hazards public safety, and emergency response to terrorism incidents, and weapons of mass destruction.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment
P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Fire Fighting Equipment	P-5a			- / 0.000	- / 15.321	- / 14.705	- / 13.569	- / 0.630	- / 14.199
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 15.321	- / 14.705	- / 13.569	- / 0.630	- / 14.199

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The funds requested in FY 2017 will provide for recapitalization requirements to support fielding a fleet of equipment within useful life expectancy.

FY 2017 decrease in Fire Fighting Equipment OPN by \$0.572M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

OCO:

Included in this request is FY 2017 Overseas Contingency Operations (OCO) funding for Operation Freedom's Sentinel in the amount of \$0.630M for Isa Air Base, Bahrain. Funds requested will procure one Water Tanker, replacing a vehicle beyond serviceable life for a core installation that provides key logistics services supporting ship and aircraft movements and command and control services for the warfighter in support of Overseas Contingency Operations.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy																Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1						P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment						Aggregated Items Title: Fire Fighting Equipment								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) AIRCRAFT FIRE/RESCUE																				
1.1) HAZARDOUS RESPONSE VEHICLE - HEAVY ^(†)	A		-	-	-	-	-	-	630,513.00	4	2.522	-	-	-	-	-	-	-	-	
1.2) HAZARDOUS RESPONSE VEHICLE - MEDIUM ^{(†)(†)}	A		-	-	-	482,428.57	7	3.377	454,591.00	4	1.818	463,683.00	1	0.464	-	-	-	463,683.00	1	0.464
1.3) HAZARDOUS RESPONSE VEHICLE - SMALL ^(†)	A		-	-	-	-	-	-	238,362.00	1	0.238	-	-	-	-	-	-	-	-	
1.4) TRUCK A/ C CRASH FIRE FIGHTING RESCUE 1500 GALLON ^(†)	A		-	-	-	542,944.00	2	1.086	-	-	-	560,941.00	4	2.244	-	-	-	560,941.00	4	2.244
1.5) TRUCK A/ C CRASH FIRE FIGHTING RESCUE 3000 GALLON ^(†)	A		-	-	-	680,734.00	4	2.723	694,842.00	2	1.390	-	-	-	-	-	-	-	-	
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB ^(†)	A		-	-	-	243,128.00	2	0.486	247,747.00	1	0.248	252,702.00	2	0.505	-	-	-	252,702.00	2	0.505
1.7) TRUCK TWIN AGENT UNIT FOR FOAM AND WATER ^(†)	A		-	-	-	355,611.00	3	1.067	-	-	-	368,952.00	3	1.107	-	-	-	368,952.00	3	1.107
Subtotal: 1) AIRCRAFT FIRE/ RESCUE			-	-	0.000	-	-	8.739	-	-	6.216	-	-	4.320	-	-	-	-	-	4.320
2) BRUSH/STRUCTURAL																				
2.1) BRUSH/GRASS FIRE FIGHTING 250 GPM 500 GALLON ^(†)	A		-	-	-	572,569.00	1	0.573	587,766.00	4	2.351	599,521.00	4	2.398	-	-	-	599,521.00	4	2.398
2.2) TRUCK FIRE FIGHTING AERIAL 100 FT LADDER RIGHT HAND DRIVE ^(†)	A		-	-	-	-	-	-	1,088K	1	1.088	-	-	-	-	-	-	-	-	
2.3) TRUCK FIRE FIGHTING AERIAL 75 FT LADDER ^(†)	A		-	-	-	716,196.00	1	0.716	729,803.00	2	1.460	741,899.00	4	2.968	-	-	-	741,899.00	4	2.968
2.4) TRUCK FIRE FIGHTING BRUSH/ GRASS 50 GPM 200 GALLON ^(†)	A		-	-	-	189,989.00	7	1.330	-	-	-	198,447.00	3	0.595	-	-	-	198,447.00	3	0.595

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6027 / Fire Fighting Equipment **Aggregated Items Title:** Fire Fighting Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM ^(†)	A		-	-	-	359,137.00	5	1.796	365,960.00	4	1.464	373,279.00	3	1.120	-	-	-	373,279.00	3	1.120
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER ^(†)	A		-	-	-	327,021.00	1	0.327	333,561.00	3	1.001	340,232.00	3	1.021	-	-	-	340,232.00	3	1.021
2.7) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM RIGHT HAND DRIVE ^(†)	A		-	-	-	368,001.00	5	1.840	374,993.00	3	1.125	382,492.00	3	1.147	-	-	-	382,492.00	3	1.147
2.8) TRUCK WATER TANKER ^(†)	A		-	-	-	-	-	-	-	-	-	-	-	0.000	630,000.00	1	0.630	630,000.00	1	0.630
Subtotal: 2) BRUSH/STRUCTURAL			-	-	0.000	-	-	6.582	-	-	8.489	-	-	9.249	-	-	0.630	-	-	9.879
Total			-	-	0.000	-	-	15.321	-	-	14.705	-	-	13.569	-	-	0.630	-	-	14.199

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) FY15 Baseline and OCO unit cost differences are the result of varying capabilities and the location where the vehicle is required.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment					Aggregated Items: Fire Fighting Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) AIRCRAFT FIRE/RESCUE												
1.1) HAZARDOUS RESPONSE VEHICLE - HEAVY		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Feb 2017	4	630,513.00	Y		
1.2) HAZARDOUS RESPONSE VEHICLE - MEDIUM ⁽¹⁾		2015	KOVATCH / NESQUEHONING, PA	MIPR	DSCP	Mar 2015	Dec 2015	6	446,115.00	Y		
1.2) HAZARDOUS RESPONSE VEHICLE - MEDIUM ⁽¹⁾	✓	2015	KOVATCH / NESQUEHONING, PA	MIPR	DSCP	Dec 2015	Dec 2016	1	700,000.00	Y		
1.2) HAZARDOUS RESPONSE VEHICLE - MEDIUM ⁽¹⁾		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Dec 2016	4	454,591.00	Y		
1.2) HAZARDOUS RESPONSE VEHICLE - MEDIUM ⁽¹⁾		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2017	Dec 2017	1	463,683.00	Y		
1.3) HAZARDOUS RESPONSE VEHICLE - SMALL		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Aug 2016	Aug 2017	1	238,362.00	Y		
1.4) TRUCK A/C CRASH FIRE FIGHTING RESCUE 1500 GALLON		2015	E-One, Inc DBA / Ocala, FL	MIPR	DSCP	Mar 2015	May 2016	2	542,944.00	Y		
1.4) TRUCK A/C CRASH FIRE FIGHTING RESCUE 1500 GALLON		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2017	May 2018	4	560,941.00	Y		
1.5) TRUCK A/C CRASH FIRE FIGHTING RESCUE 3000 GALLON		2015	OSHKOSH / Oshkosh, WI	MIPR	DSCP	Jun 2015	May 2016	4	680,734.00	Y		
1.5) TRUCK A/C CRASH FIRE FIGHTING RESCUE 3000 GALLON		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Feb 2017	2	694,842.00	Y		
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB		2015	Pierce Mfg, Inc / Appleton, WI	MIPR	GSA	Mar 2015	May 2016	2	243,128.00	Y		
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB		2016	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2016	Jan 2017	1	247,747.00	Y		
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB		2017	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2017	Jan 2018	2	252,702.00	Y		
1.7) TRUCK TWIN AGENT UNIT FOR FOAM AND WATER		2015	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2016	Mar 2017	3	355,611.00	Y		
1.7) TRUCK TWIN AGENT UNIT FOR FOAM AND WATER		2017	UNKNOWN / UNKNOWN	MIPR	GSA	Sep 2017	Sep 2018	3	368,952.00	Y		
2) BRUSH/STRUCTURAL												
2.1) BRUSH/GRASS FIRE FIGHTING 250 GPM 500 GALLON		2015	Pierce Mfg, Inc / Appleton, WI	MIPR	GSA	Feb 2015	May 2016	1	572,569.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment	Aggregated Items: Fire Fighting Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1) BRUSH/GRASS FIRE FIGHTING 250 GPM 500 GALLON		2016	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2016	Mar 2017	4	587,766.00	Y		
2.1) BRUSH/GRASS FIRE FIGHTING 250 GPM 500 GALLON		2017	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2017	Mar 2018	4	599,521.00	Y		
2.2) TRUCK FIRE FIGHTING AERIAL 100 FT LADDER RIGHT HAND DRIVE		2016	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Jun 2016	Jun 2017	1	1,088K	Y		
2.3) TRUCK FIRE FIGHTING AERIAL 75 FT LADDER		2015	Pierce Mfg, Inc / Appleton, WI	MIPR	DSCP	Mar 2015	Mar 2016	1	716,196.00	Y		
2.3) TRUCK FIRE FIGHTING AERIAL 75 FT LADDER		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Dec 2016	2	729,803.00	Y		
2.3) TRUCK FIRE FIGHTING AERIAL 75 FT LADDER		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2017	Dec 2017	4	741,899.00	Y		
2.4) TRUCK FIRE FIGHTING BRUSH/GRASS 50 GPM 200 GALLON		2015	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2016	Dec 2016	7	189,989.00	Y		
2.4) TRUCK FIRE FIGHTING BRUSH/GRASS 50 GPM 200 GALLON		2017	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2017	Sep 2017	3	198,447.00	Y		
2.5) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM		2015	Pierce Mfg, Inc / Appleton, WI	MIPR	DSCP	Aug 2015	Aug 2016	5	359,137.00	Y		
2.5) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Sep 2016	Sep 2017	4	365,960.00	Y		
2.5) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Sep 2017	Sep 2018	3	373,279.00	Y		
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER		2015	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2016	Mar 2017	1	327,021.00	Y		
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER		2016	UNKNOWN / UNKNOWN	MIPR	DSCP	Sep 2016	Sep 2017	3	333,561.00	Y		
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER		2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Sep 2017	Sep 2018	3	340,232.00	Y		
2.7) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM RIGHT HAND DRIVE		2015	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Mar 2016	Mar 2017	5	368,001.00	Y		
2.7) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM RIGHT HAND DRIVE		2016	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Sep 2016	Sep 2017	3	374,993.00	Y		
2.7) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM RIGHT HAND DRIVE		2017	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Sep 2017	Sep 2018	3	382,492.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment	Aggregated Items: Fire Fighting Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.8) TRUCK WATER TANKER	✓	2017	UNKNOWN / UNKNOWN	MIPR	DSCP	Feb 2017	Feb 2018	1	630,000.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
 6028 / Tactical Vehicles

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.766	2.497	14.917	0.000	14.917	32.455	14.476	19.522	18.569	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.766	2.497	14.917	0.000	14.917	32.455	14.476	19.522	18.569	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.766	2.497	14.917	0.000	14.917	32.455	14.476	19.522	18.569	Continuing	Continuing

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

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

Description:

This budget line item funds procurement of light and medium duty tactical equipment used primarily by the Naval Expeditionary Combat Command (NECC), Maritime Prepositioning Force (MPF), Naval Beach Group (NBG), and other special operating units. This line also includes Force Protection requirements and DoN Energy Initiative funding for Tactical Vehicles.

Light duty tactical vehicles (HMMWVs) are used by NECC, MPF, NBG, and special operating units for the movement of personnel and equipment. Medium tactical trucks are required for rapid deployment of containerized table of allowance material and have air transport, water fording, and enhanced combat mobility capability. Medium tactical cargo trucks are used for material/equipment movement and delivery. Medium tactical dump trucks are used to support combat construction of airfields, landing zones, road battle damage repair and rapid runway repair. Force Protection funds include efforts for light and medium tactical vehicles such as outfitting of Armor to base model vehicles (up-armor) and integration of communication equipment.

This program includes funds for the procurement of HMMWVs to guard and protect the TRIDENT II (D5) missile while the missile is in storage, being handled, or in a movement convoy to and from the waterfront at the Strategic Weapons Facility, Atlantic (SWFLANT) in Kings Bay, GA and the Strategic Weapons Facility, Pacific (SWFPAC) in Bangor, WA. Equipment is used in support of Strategic Systems Programs (SSP) mission of securing the Limited Area and provides for security vehicles to replace existing (aging) vehicles used in roving patrols of the Limited Area and to support TRIDENT II (D5) missile movement convoys.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
6028 / Tactical Vehicles

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Tactical Vehicles	P-5a			- / 0.000	- / 0.766	- / 2.497	- / 14.917	- / -	- / 14.917
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.766	- / 2.497	- / 14.917	- / 0.000	- / 14.917

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The funds requested in FY17 will provide for, but not limited to:

- Joint Light Tactical Vehicle (JLTV) for the Navy Special Forces community.
- LSSVs which have surpassed their life expectancy and will be deployed to the Expeditionary Medical Forces.
- Outfitting of communications equipment into multiple tactical vehicle platforms. Outfitting of this gear is a lesson learned from OIF/OEF when the Expeditionary Forces lacked means to communicate across vehicles within the same convoy. Outfitting of this gear is a life safety measure based on lessons learned.

Force Protection

- Increase in funding is for Service Life Extension and Armoring of existing Medium Tactical Vehicle Replacements (MTVR's), which are no longer in production/not able to be procured, to be used in support of EOD Expeditionary Mine Counter Measures Companies (Ex-MCM). MTVR is a 7-Ton 6x6 heavy duty truck Off-road vehicle used by the United States Marine Corps and United States Navy.

Background on EOD Expeditionary Mine Counter Measures Companies (Ex-MCM):

In response to C5F Urgent Operation Needs Statement (UONS) to clear sea mines from shipping lanes in the CENTCOM Area of Responsibility (AOR), Expeditionary Mine Countermeasures (ExMCM) units were formed by combining Explosive Ordnance Disposal (EOD) dive forces with Speed to Fleet Fastlane Unmanned Systems (UMS) and Post Mission Analysis (PMA) Cells to provide rapidly deployable units of action that find, fix and finish mine threats in any environment (Littorals, enclosed littorals and the blue water), employable from any platform (surface ships, landward positions or air assets) with clearance rates that meet or exceed the fleets requirement. ExMCM has proven effective in C5F, is requested by C7F and is endorsed by Commander Fleet Forces Command as enduring. Funding is required to replace/recapitalize/improve the initial operational capability, to outfit/sustain full operational capability and to meet increased demand.

FY 2017 decrease in Tactical Vehicles OPN by \$0.629M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

The FY 2017 funding request was also reduced by \$0.075M to account for the availability of prior year execution balances.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6028 / Tactical Vehicles **Aggregated Items Title:** Tactical Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) Light Trucks																				
1.1) JOINT LIGHT TACTICAL VEHICLE (JLTV) ^(†)	A		-	-	-	-	-	-	385,000.00	2	0.770	392,700.00	6	2.356	-	-	-	392,700.00	6	2.356
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS ^(†)	A		-	-	-	-	-	-	58,782.00	6	0.353	59,957.00	12	0.719	-	-	-	59,957.00	12	0.719
1.3) LSSV MAINTENANCE UTILITY CREWCAB 4X4 ^(†)	A		-	-	-	-	-	-	-	-	-	73,275.00	2	0.147	-	-	-	73,275.00	2	0.147
1.4) LSSV TRUCK LITTER CARRIER 4X4 TWO DOOR DIESEL ^(†)	A		-	-	-	-	-	-	160,000.00	1	0.160	163,200.00	9	1.469	-	-	-	163,200.00	9	1.469
1.5) TRUCK, UP-ARMORED HMMWV, 4X4 ^(†)	A		-	-	-	154,000.00	1	0.154	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Light Trucks			-	-	0.000	-	-	0.154	-	-	1.283	-	-	4.691	-	-	-	-	-	4.691
2) ILS Support Cost																				
2.1) ILS Support Cost	A		-	-	-	-	-	0.612	-	-	-	-	-	0.022	-	-	-	-	-	0.022
Subtotal: 2) ILS Support Cost			-	-	0.000	-	-	0.612	-	-	-	-	-	0.022	-	-	-	-	-	0.022
3) Force Protection																				
3.1) Force Protection	A		-	-	-	-	-	-	-	-	1.214	-	-	9.754	-	-	-	-	-	9.754
3.2) Force Protection (RESERVE FORCES)	A		-	-	-	-	-	-	-	-	-	-	-	0.450	-	-	-	-	-	0.450
Subtotal: 3) Force Protection			-	-	0.000	-	-	-	-	-	1.214	-	-	10.204	-	-	-	-	-	10.204
Total			-	-	0.000	-	-	0.766	-	-	2.497	-	-	14.917	-	-	-	-	-	14.917

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

^(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Number / Title: 6028 / Tactical Vehicles	Aggregated Items: Tactical Vehicles
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Light Trucks												
1.1) JOINT LIGHT TACTICAL VEHICLE (JLTV)		2016	UNKNOWN / UNKNOWN	C / TBD	TBD	Sep 2016	Sep 2016	2	385,000.00	N		
1.1) JOINT LIGHT TACTICAL VEHICLE (JLTV)		2017	UNKNOWN / UNKNOWN	C / TBD	TBD	Mar 2017	Mar 2017	6	392,700.00	N		
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS		2016	UNKNOWN / UNKNOWN	MIPR	GSA	May 2016	Aug 2016	6	58,782.00	Y		
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS		2017	UNKNOWN / UNKNOWN	MIPR	GSA	Jan 2017	Apr 2017	12	59,957.00	Y		
1.3) LSSV MAINTENANCE UTILITY CREWCAB 4X4		2017	UNKNOWN / UNKNOWN	MIPR	GSA	Jan 2017	May 2017	2	73,275.00	Y		
1.4) LSSV TRUCK LITTER CARRIER 4X4 TWO DOOR DIESEL		2016	UNKNOWN / UNKNOWN	C / TBD	GSA	May 2016	Sep 2016	1	160,000.00	Y		
1.4) LSSV TRUCK LITTER CARRIER 4X4 TWO DOOR DIESEL		2017	UNKNOWN / UNKNOWN	C / TBD	GSA	Jan 2017	May 2017	9	163,200.00	Y		
1.5) TRUCK, UP-ARMORED HMMWV, 4X4		2015	AM General / South Bend, IN	MIPR	TACOM	Apr 2016	Jun 2018	1	154,000.00	Y		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
 6033 / Amphibious Equipment

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	16.580	8.682	12.517	7.676	0.000	7.676	14.626	16.730	17.837	18.193	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	16.580	8.682	12.517	7.676	0.000	7.676	14.626	16.730	17.837	18.193	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	16.580	8.682	12.517	7.676	0.000	7.676	14.626	16.730	17.837	18.193	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	0.538	0.213	-	-	-	-	-	-	-	-	0.751
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This budget line item funds procurement of equipment to support Marine Corps amphibious and Logistics Over the Shore (LOTS) operations through ship-to-shore transfer of both dry and liquid cargo.

This program is a key part of the Strategic Sealift Program. The equipment that is part of this program is designed to interface with Maritime Prepositioning (MPF) Ships, Roll-on/Roll-off (RO/RO) ships, break bulk carriers, and container ships (dry cargo) which enables the Navy to provide the required logistics support in advanced areas having little or no port capability. The equipment is used by the Amphibious Beach Group during Assault Follow-on Echelon (AFOE) and MPF operations.

The Improved Navy Lighterage System (INLS) replaced the Navy Lighterage (NL) which had reached the end of its service life and which had a negative impact on crew safety and operational readiness. INLS is capable of operations in higher sea states, has a greater service life, and has reduced maintenance costs. INLS is deployed during LOTS operations, AFOE operations, and MPF operations. INLS consists of Warping Tugs, Causeway Ferries, RO/RO Discharge Facilities, and Floating Causeways. The Improved Navy Lighterage System (INLS) achieved Full Operation Capability in FY11. Beginning in FY12 the Program Office transitioned to provide life cycle maintenance support for all Amphibious Specialized Equipment and crafts in support of Amphibious Sealift operations and exercises.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment
P-1 Line Item Number / Title: 6033 / Amphibious Equipment

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Amphibious Equipment	P-5a, P-21			- / 16.580	- / 8.682	- / 12.517	- / 7.676	- / 0.000	- / 7.676
P-40	Total Gross/Weapon System Cost				- / 16.580	- / 8.682	- / 12.517	- / 7.676	- / 0.000	- / 7.676

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

This request funds INLS Waterjet modifications by upgrading primary propulsion components that are failing at an unacceptable rate. The INLS Waterjet modification will increase mean time between overhauls from 12 months to 60 months and extend the life of the craft. The replacement of all LARCs (Lighter, Amphibious Resupply, Cargo) is planned to begin in FY 2018 at ~\$2.1M per craft.

FY 2017 decrease in Amphibious Equipment OPN by \$0.324M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6033 / Amphibious Equipment	Item Number / Title [DODIC]: 1 / Amphibious Equipment

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	16.580	8.682	12.517	7.676	0.000	7.676
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	16.580	8.682	12.517	7.676	0.000	7.676
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	16.580	8.682	12.517	7.676	0.000	7.676

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

Initial Spares (<i>\$ in Millions</i>)	-	0.538	0.213	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
Hardware - OTHER AMPHIB SPECIALIZED EQUIPMENT Cost																		
Recurring Cost																		
1.1.2) INLS MODULES ^(†)	921,111.11	18	16.580	936,000.00	8	7.488	954,720.00	13	12.411	959,500.00	8	7.676	-	-	-	959,500.00	8	7.676
1.1.3) INLS ACQUISITION LOGISTICS COST	-	-	-	-	-	1.194	-	-	0.106	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	16.580	-	-	8.682	-	-	12.517	-	-	7.676	-	-	-	-	-	7.676
<i>Subtotal: Hardware - OTHER AMPHIB SPECIALIZED EQUIPMENT Cost</i>	-	-	16.580	-	-	8.682	-	-	12.517	-	-	7.676	-	-	-	-	-	7.676
Gross/Weapon System Cost	-	-	16.580	-	-	8.682	-	-	12.517	-	-	7.676	-	-	0.000	-	-	7.676

^(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6033 / Amphibious Equipment	Item Number / Title [DODIC]: 1 / Amphibious Equipment
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) INLS MODULES ^(†)		2014	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Mar 2014	Sep 2014	6	913,333.33	N		
1.1.2) INLS MODULES ^(†)		2015	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Mar 2015	Sep 2015	8	936,000.00	N		
1.1.2) INLS MODULES ^(†)		2016	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Jan 2016	Jul 2016	13	954,720.00	N		
1.1.2) INLS MODULES ^(†)		2017	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Mar 2017	Sep 2017	8	959,500.00	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6033 / Amphibious Equipment	Item Number / Title [DODIC]: 1 / Amphibious Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	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
1.1.2) INLS MODULES																															
Prior Years Deliveries: 12																															
	1	2014	NAVY	6	0	6																									0
	1	2015	NAVY	8	0	8																									6
	1	2016	NAVY	13	0	13																									13
	1	2017	NAVY	8	0	8																									8

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6033 / Amphibious Equipment **Item Number / Title [DODIC]:** 1 / Amphibious Equipment

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017																
							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				
1.1.2) INLS MODULES																																			
Prior Years Deliveries: 12																																			
1		2014	NAVY	6	6	0																							0						
1		2015	NAVY	8	2	6	2	2	2																				0						
1		2016	NAVY	13	0	13				A	-	-	-	-	-	-	2	2	2	2	2	2	2	1					0						
1		2017	NAVY	8	0	8																					A	-	-	-	-	-	-	2	6
							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, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6033 / Amphibious Equipment	Item Number / Title [DODIC]: 1 / Amphibious Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							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

1.1.2) INLS MODULES

Prior Years Deliveries: 12																													
1	2014	NAVY	6	6	0																						0		
1	2015	NAVY	8	8	0																						0		
1	2016	NAVY	13	13	0																						0		
1	2017	NAVY	8	2	6	2	2	2																			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

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB Amended 2017 Navy	Date: November 2016
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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6033 / Amphibious Equipment	Item Number / Title [DODIC]: 1 / Amphibious Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Wartsila Defense, Inc - Houston, TX				0	0	6	6	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment	P-1 Line Item Number / Title: 6058 / Pollution Control Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	2.942	3.018	2.321	0.000	2.321	2.740	2.796	2.734	2.784	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	2.942	3.018	2.321	0.000	2.321	2.740	2.796	2.734	2.784	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.942	3.018	2.321	0.000	2.321	2.740	2.796	2.734	2.784	Continuing	Continuing

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

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

Description:

The Navy Ashore Pollution Control Equipment program funds hazardous substance spill containment and recovery systems.

Funding requirements for the Navy's oil spill program include procurement of oil spill containment booms and related deployment equipment. After initial containment with boom, shore activities can efficiently collect spilled oil with vacuum trucks. This equipment will enable the Navy to meet the requirements established by the EPA in the National Contingency Plan which requires rapid and effective response to oil spills. The revised National Spill Contingency Plan mandates that the DOD and the Navy assume responsibility for their own oil and hazardous substance spills. These broad responsibilities require the Navy to maintain sufficient spill response equipment for the Navy activities worldwide, such as oil spill containment systems and recovery systems. The severe oil spills in Alaska, California and the Gulf of Mexico have increased the public's sensitivity to releases of oil into the environment.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment
P-1 Line Item Number / Title: 6058 / Pollution Control Equipment

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Pollution Control Equipment	P-5a			- / 0.000	- / 2.942	- / 3.018	- / 2.321	- / -	- / 2.321
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 2.942	- / 3.018	- / 2.321	- / 0.000	- / 2.321

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2017 decrease in Pollution Control Equipment OPN by \$0.098M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6058 / Pollution Control Equipment **Aggregated Items Title:** Pollution Control Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) POLLUTION CONTROL EQUIPMENT																				
1.1) RESPONSE BOOM ^(†)	A		-	-	-	10,905.17	116	1.265	11,128.21	117	1.302	11,381.00	95	1.081	-	-	-	11,381.00	95	1.081
1.2) PERMANENT BOOM ^(†)	A		-	-	-	19,659.09	44	0.865	20,086.96	45	0.904	20,566.67	30	0.617	-	-	-	20,566.67	30	0.617
1.3) BOOM SUPPORT EQUIPMENT ^(†)	A		-	-	-	16,760.00	25	0.419	17,125.00	24	0.411	17,526.00	18	0.315	-	-	-	17,526.00	18	0.315
1.4) VACUUM TRUCK ^(†)	A		-	-	-	98,250.00	4	0.393	100,350.00	4	0.401	102,500.00	3	0.308	-	-	-	102,500.00	3	0.308
Subtotal: 1) POLLUTION CONTROL EQUIPMENT			-	-	0.000	-	-	2.942	-	-	3.018	-	-	2.321	-	-	-	-	-	2.321
Total			-	-	0.000	-	-	2.942	-	-	3.018	-	-	2.321	-	-	-	-	-	2.321

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Number / Title: 6058 / Pollution Control Equipment	Aggregated Items: Pollution Control Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) POLLUTION CONTROL EQUIPMENT												
1.1) RESPONSE BOOM		2015	Parker Systems Inc. / Chesapeake, VA	C / FP	FISC	Feb 2015	Apr 2015	116	10,905.17	Y		
1.1) RESPONSE BOOM		2016	Unknown / Unknown	C / FP	FISC	Mar 2016	May 2016	117	11,128.21	Y		
1.1) RESPONSE BOOM		2017	Unknown / Unknown	C / FP	FISC	Mar 2017	May 2017	95	11,381.00	Y		
1.2) PERMANENT BOOM		2015	Lamor USA Corp. / Milford, CT	C / FP	FISC	Feb 2015	May 2015	44	19,659.09	Y		
1.2) PERMANENT BOOM		2016	Unknown / Unknown	C / FP	FISC	Apr 2016	Jul 2016	45	20,086.96	Y		
1.2) PERMANENT BOOM		2017	Unknown / Unknown	C / FP	FISC	Apr 2017	Jul 2017	30	20,566.67	Y		
1.3) BOOM SUPPORT EQUIPMENT		2015	DESMI-AFTI, Inc. / Orchard Park, NY	C / FP	FISC	Feb 2015	May 2015	25	16,760.00	Y		
1.3) BOOM SUPPORT EQUIPMENT		2016	Unknown / Unknown	C / FP	FISC	Mar 2016	May 2016	24	17,125.00	Y		
1.3) BOOM SUPPORT EQUIPMENT		2017	Unknown / Unknown	C / FP	FISC	Mar 2017	May 2017	18	17,526.00	Y		
1.4) VACUUM TRUCK		2015	Isometrics Inc. / Reidsville, NC	C / FP	GSA	Jun 2015	Jan 2016	4	98,250.00	Y		
1.4) VACUUM TRUCK		2016	Unknown / Unknown	C / FP	GSA	Jun 2016	Dec 2017	4	100,350.00	Y		
1.4) VACUUM TRUCK		2017	Unknown / Unknown	C / FP	GSA	Jun 2017	Dec 2018	3	102,500.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment

P-1 Line Item Number / Title:
 6060 / Items under \$5 million

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	15.554	14.403	12.459	0.000	12.459	22.064	30.529	26.583	23.536	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	15.554	14.403	12.459	0.000	12.459	22.064	30.529	26.583	23.536	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	15.554	14.403	12.459	0.000	12.459	22.064	30.529	26.583	23.536	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	0.031	0.041	0.033	-	0.033	0.032	0.035	0.036	0.037	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

SPECIAL PURPOSE VEHICLES/EQUIPMENT

This program includes special purpose vehicles and trailers of commercial design which support the Naval Expeditionary Combat Command (NECC), shore activities, and other special operating units. Included are tank trucks used to transport fuel to construction equipment at remote locations, waste disposal trucks used to transport waste oil/water, overhead maintenance trucks with insulated buckets and pole and line trucks used for repair/replacement of power systems, wreckers used in vehicle recovery/towing, field servicing vehicles used for on-site preventive maintenance of construction equipment in the field, and ammunition handling trucks used in loading/unloading and transporting munitions. Truck tractors and trailers required by the active operating forces in the logistics support of the fleet are also included in this program. Representative types and uses include van and stake bed semi-trailers to support loading/unloading of ships and aircraft and movement of materials and equipment for fleet operations, lowbed semitrailers for transport of construction equipment, tank trailers for transport and dispensing of water, fuel, and hazardous liquids, and semi-trailers transport of materials.

This program includes funds for the procurement of Bearcats, used on paved or improved roads, to guard and protect the TRIDENT II (D5) missile while the missile is in storage, being handled, or in a movement convoy to and from the waterfront at the Strategic Weapons Facility, Atlantic (SWFLANT) in Kings Bay, GA and the Strategic Weapons Facility, Pacific (SWFPAC) in Bangor, WA. Equipment is used in support of Strategic Systems Programs (SSP) mission of securing the Limited Area and provides for security vehicles to replace existing (aging) vehicles used in roving patrols of the Limited Area and to support TRIDENT II (D5) missile movement convoys.

COMBAT CONSTRUCTION SUPPORT EQUIPMENT

The equipment included in this program is used by the Naval Expeditionary Combat Command (NECC), Naval Beach Group (NBG), and special operating units to provide responsive military construction support to the Navy, Marine Corps, and other forces during military operations, construction of base facilities, and in the conduct of limited defensive operations. These facilities and equipment are vital for maintaining the integrity and sustainability of these units during contingency and wartime operations. Equipment items include containers, required for prepacking and securing on-site storage of expensive equipment to expedite mobilization, fuel storage tanks required for on-site storage of fuel, water purification units required for camp water treatment systems, water storage tanks (collapsible fabric) required for water treatment, storage and distribution systems, power distribution panelboards required for camp electrical distribution systems, and tension fabric structures required for expeditionary facilities to provide equipment maintenance and company shops, berthing, laundry, and combat operations centers.

OCEAN CONSTRUCTION EQUIPMENT

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment		P-1 Line Item Number / Title: 6060 / Items under \$5 million
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Ocean Construction Equipment are those specialized equipment and facilities components used primarily by the Naval Construction Force (NCF) to perform site selection, construction, inspection, maintenance, repair and removal of fleet and other Navy fixed underwater and ocean facilities, and in support of shore-based hyperbarics. Some equipment is centrally procured under this line as initial outfitting for the Underwater Construction Teams' (UCT) Tables of Allowance (TOA). Most of the equipment is for the Ocean Construction Equipment Inventory (OCEI). It is centrally procured and maintained by the Naval Facilities Engineering Command in a controlled inventory to ensure the NCF response to fleet needs is both timely and adequate. Utilization of funds from this program sustains the Naval Construction Force (NCF) capability to meet fleet requirements for ocean facility site survey, construction, inspection, repair, and removal, resulting in the ability of the fleet to retain its readiness through utilization of its underwater facilities. The funds requested in FY 2017 will be used to replace existing equipment kits and systems which are well beyond their useful and maintainable lives. In many instances, these replacements will result in slightly improved or modified capabilities.</p> <p>MOBILE UTILITIES SUPPORT EQUIPMENT (MUSE) Equipment in this program consists of electric power generation plants, electric substations, and electric switch gear. MUSE provides short-term support for fleet and shore utility requirements resulting from equipment failures, changes in planning and programming, temporary replacement of utilities equipment which is out of service, ship support and testing, expeditionary military operations, and utilities outages resulting from natural disaster. Operations supported are submarine testing, ships' repair, retrofit and nuclear refueling, cold iron applications, serious utility system deficiencies, MILCON delay, and advanced base requirements. The funds requested in FY 2017 will be utilized to procure one (1) 1.5 MW mobile electric power generation plant.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment
P-1 Line Item Number / Title: 6060 / Items under \$5 million

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Items under \$5 million	P-5a			- / 0.000	- / 15.553	- / 14.403	- / 12.460	- / -	- / 12.460
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 15.554	- / 14.403	- / 12.459	- / 0.000	- / 12.459

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The funds requested in FY 2017 will provide for recapitalization requirements to support fielding a fleet of equipment within useful life expectancy.

Capabilities presented on the P40-A consist of many components. Variation in components being procured in a given fiscal year will yield fluctuation in the unit costs.

FY 2017 decrease in Items under \$5 million OPN by \$0.520M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

The FY 2017 funding request was also reduced by \$0.161M to account for the availability of prior year execution balances.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6060 / Items under \$5 million **Aggregated Items Title:** Items under \$5 million

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) SPECIAL PURPOSE VEHICLES/EQUIPMENT ⁽¹⁾																				
1.1) SPECIAL PURPOSE VEHICLES/ EQUIPMENT ^(†)	A		-	-	-	18,500.00	2	0.037	-	-	-	-	-	-	-	-	-	-	-	-
1.2) AIRCRAFT REFUELERS ^(†)	A		-	-	-	275,000.00	9	2.475	-	-	-	-	-	-	-	-	-	-	-	-
1.3) CLEANER WASTE OIL COLLECT TRL 2000 GAL ^(†)	A		-	-	-	109,000.00	1	0.109	-	-	-	-	-	-	-	-	-	-	-	-
1.4) FOD DETECTION AND MITIGATION SYSTEM ^(†)	A		-	-	-	-	-	-	285,000.00	6	1.710	-	-	-	-	-	-	-	-	-
1.5) ILS for SPECIAL PURPOSE VEHICLES	A		-	-	-	-	-	0.016	-	-	0.097	-	-	0.027	-	-	-	-	-	0.027
1.6) ILS for SPECIAL PURPOSE VEHICLES (RESERVE FORCES)	A		-	-	-	-	-	0.018	-	-	-	-	-	-	-	-	-	-	-	-
1.7) ILS FOR SPECIAL PURPOSE VEHICLES / Expeditionary Facilities	A		-	-	-	-	-	0.423	-	-	-	-	-	-	-	-	-	-	-	-
1.8) SEMITRAILER STAKE BREAKBULK/ ISO CONTAINER ^(†)	A		-	-	-	-	-	-	-	-	-	66,974.00	5	0.335	-	-	-	66,974.00	5	0.335
1.9) TRAILER 12000 GVW ^(†)	A		-	-	-	-	-	-	9,171.00	6	0.055	-	-	-	-	-	-	-	-	-
1.10) TRAILER, CARGO 1-1/2 TON (RESERVE FORCES) ^(†)	A		-	-	-	11,714.29	14	0.164	-	-	-	-	-	-	-	-	-	-	-	-
1.11) Trailer 50T Lowboy ^(†)	A		-	-	-	51,500.00	2	0.103	-	-	-	-	-	-	-	-	-	-	-	-
1.12) TRAILER HYD LOAD DECK 37 HYD 20T WINCH ^(†)	A		-	-	-	-	-	-	70,687.00	3	0.212	-	-	-	-	-	-	-	-	-
1.14) TRUCK STAKE 6X6 DED 52000 GVW (RESERVE FORCES) ^(†)	A		-	-	-	139,250.00	4	0.557	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6060 / Items under \$5 million **Aggregated Items Title:** Items under \$5 million

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
1.15) TRUCK TANK FUEL 4X4 DED 1500 GAL ^(†)	A		-	-	-	-	-	-	-	-	98,473.00	2	0.197	-	-	-	98,473.00	2	0.197	
1.16) TRUCK TRACTOR ^{(2)(†)}	A		-	-	-	129,000.00	1	0.129	170,458.00	10	1.705	173,867.00	10	1.739	-	-	173,867.00	10	1.739	
1.17) TRUCK TRACTOR CREWCAB ^(†)	A		-	-	-	-	-	-	167,116.00	3	0.501	-	-	-	-	-	-	-	-	
1.18) TRUCK TRACTOR CREWCAB w/EMP ^(†)	A		-	-	-	-	-	-	254,750.00	3	0.764	-	-	-	-	-	-	-	-	
1.19) SPECIAL PURPOSE VEHICLE-BEARCATS ^(†)	A		-	-	-	-	-	-	266,000.00	1	0.266	246,000.00	1	0.246	-	-	246,000.00	1	0.246	
Subtotal: 1) SPECIAL PURPOSE VEHICLES/EQUIPMENT			-	-	0.000	-	-	4.031	-	-	5.310	-	-	2.544	-	-	-	-	2.544	
2) COMBAT CONSTRUCTION SUPPORT EQUIPMENT⁽³⁾																				
2.1) AIR COND/ HEATING ENVIRONMENTAL CONTROL UNITS (FDECU) ^(†)	A		-	-	-	-	-	-	-	-	-	14,330.00	20	0.287	-	-	-	14,330.00	20	0.287
2.3) ANCILLARY EQUIPMENT ^(†)	A		-	-	-	157,667.00	6	0.946	-	-	-	-	-	-	-	-	-	-	-	
2.4) CONTAINERS ^(†)	A		-	-	-	19,840.00	306	6.071	13,090.00	27	0.353	-	-	-	-	-	-	-	-	
2.8) EXPEDITIONARY FACILITIES - LAUNDRY ^(†)	A		-	-	-	72,714.00	21	1.527	-	-	-	-	-	-	-	-	-	-	-	
2.11) EXPEDITIONARY FACILITY ^(†)	A		-	-	-	-	-	-	789,697.00	4	3.159	805,151.00	6	4.831	-	-	-	805,151.00	6	4.831
2.12) EXPEDITIONARY FACILITY (RESERVE FORCES) ^(†)	A		-	-	-	-	-	-	789,697.00	2	1.579	-	-	-	-	-	-	-	-	
2.15) FUEL - STORAGE AND DISTRIBUTION ^(†)	A		-	-	-	9,632.00	19	0.183	-	-	-	-	-	-	-	-	-	-	-	
2.17) ILS FOR COMBAT CONSTRUCTION SUPPORT EQUIPMENT	A		-	-	-	-	-	-	-	-	0.250	-	-	0.125	-	-	-	-	-	0.125

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6060 / Items under \$5 million **Aggregated Items Title:** Items under \$5 million

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
2.21) POWER ^(†)	A		-	-	-	30,923.08	26	0.804	-	-	-	-	-	-	-	-	-	-	-	
2.22) POWER - 200 AMP LEX BOX ASSEMBLY ^(†)	A		-	-	-	-	-	-	-	-	-	8,418.00	4	0.034	-	-	-	8,418.00	4	0.034
2.25) TMDE - RADIO TEST SETS ^(†)	A		-	-	-	-	-	-	-	-	-	37,324.00	14	0.523	-	-	-	37,324.00	14	0.523
2.26) TMDE - RADIO TEST SETS (RESERVE FORCES) ^(†)	A		-	-	-	-	-	-	-	-	-	37,324.00	15	0.560	-	-	-	37,324.00	15	0.560
2.27) WATER - 900GAL SIXCON MODULE ^(†)	A		-	-	-	-	-	-	-	-	-	47,765.00	7	0.334	-	-	-	47,765.00	7	0.334
2.28) WATER - DISTRIBUTOR 2000 GAL TRUCK MOUNTED 6X6 ^(†)	A		-	-	-	-	-	-	171,192.00	2	0.342	-	-	-	-	-	-	-	-	-
2.29) WATER - MAN PORTABLE WATER SYSTEMS ^(†)	A		-	-	-	-	-	-	22,418.00	4	0.090	-	-	-	-	-	-	-	-	-
2.30) WATER - PUMP WATER DED 125GPM MTD SIXCON MOD ^(†)	A		-	-	-	-	-	-	25,475.00	9	0.229	-	-	-	-	-	-	-	-	-
2.31) WATER - STORAGE AND DISTRIBUTION ^(†)	A		-	-	-	11,820.00	61	0.721	-	-	-	-	-	-	-	-	-	-	-	-
2.32) WATER - TANK 900GAL SIXCON MODULE ^(†)	A		-	-	-	-	-	-	46,874.00	40	1.875	-	-	-	-	-	-	-	-	-
Subtotal: 2) COMBAT CONSTRUCTION SUPPORT EQUIPMENT			-	-	0.000	-	-	10.252	-	-	7.877	-	-	6.694	-	-	-	-	-	6.694
3) MOBILE UTILITIES SUPPORT EQUIPMENT																				
3.1) MOBILE UTILITIES SUPPORT EQUIPMENT ^(†)	A		-	-	-	906,000.00	1	0.906	900,000.00	1	0.900	847,000.00	1	0.847	-	-	-	847,000.00	1	0.847
Subtotal: 3) MOBILE UTILITIES SUPPORT EQUIPMENT			-	-	0.000	-	-	0.906	-	-	0.900	-	-	0.847	-	-	-	-	-	0.847
4) OCEAN CONSTRUCTION EQUIPMENT																				
4.1) OCEAN CONSTRUCTION EQUIPMENT ^(†)	A		-	-	-	87,000.00	4	0.348	75,000.00	4	0.300	45,250.00	4	0.181	-	-	-	45,250.00	4	0.181

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6060 / Items under \$5 million **Aggregated Items Title:** Items under \$5 million

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) OCEAN CONSTRUCTION EQUIPMENT			-	-	0.000	-	-	0.348	-	-	0.300	-	-	0.181	-	-	-	-	-	0.181
5) DON ENERGY INITIATIVE																				
5.1) DON ENERGY INITIATIVE ^(†)	A		-	-	-	16,000.00	1	0.016	-	-	-	-	-	-	-	-	-	-	-	-
5.2) EXPEDITIONARY POWER INTERGRATION & CONTROL (EPIC) ^(†)	A		-	-	-	-	-	-	-	-	-	365,702.00	6	2.194	-	-	-	365,702.00	6	2.194
5.3) IMPROVED ENVIRONMENTAL CONTROL UNIT ^(†)	A		-	-	-	-	-	-	16,000.00	1	0.016	-	-	-	-	-	-	-	-	-
Subtotal: 5) DON ENERGY INITIATIVE			-	-	0.000	-	-	0.016	-	-	0.016	-	-	2.194	-	-	-	-	-	2.194
Total			-	-	0.000	-	-	15.553	-	-	14.403	-	-	12.460	-	-	-	-	-	12.460

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

- (1) Capabilities presented on the P40-A consist of many components. Variation in components being procured in a given fiscal year will yield fluctuation in the unit costs.
- (2) FY15 to FY16 increase in unit cost attributable to updated pricing research/information.
- (3) Capabilities presented on the P40-A consist of many components. Variation in components being procured in a given fiscal year will yield fluctuation in the unit costs.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6060 / Items under \$5 million					Aggregated Items: Items under \$5 million				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) SPECIAL PURPOSE VEHICLES/EQUIPMENT												
1.1) SPECIAL PURPOSE VEHICLES/EQUIPMENT		2015	Unknown / Unknown	Various	Various	Jan 2015	Mar 2015	2	18,500.00	N		
1.2) AIRCRAFT REFUELERS	✓	2015	Isometrics INC / Reidsville, NC	MIPR	GSA	Mar 2015	Jan 2016	9	275,000.00	Y		
1.3) CLEANER WASTE OIL COLLECT TRL 2000 GAL	✓	2015	WESTMARK / CERES, CA	MIPR	GSA	May 2015	Feb 2016	1	109,000.00	Y		
1.4) FOD DETECTION AND MITIGATION SYSTEM		2016	UNKNOWN / UNKNOWN	Various	Various	Apr 2016	Jan 2017	6	285,000.00	Y		
1.8) SEMITRAILER STAKE BREAKBULK/ISO CONTAINER		2017	UNKNOWN / UNKNOWN	MIPR	GSA	Jan 2017	Jul 2017	5	66,974.00	Y		
1.9) TRAILER 12000 GVW		2016	UNKNOWN / UNKNOWN	MIPR	GSA	Jan 2016	Jun 2016	6	9,171.00	N		
1.10) TRAILER, CARGO 1-1/2 TON (RESERVE FORCES)		2015	UNKNOWN / UNKNOWN	MIPR	DLA	Mar 2016	Aug 2016	14	11,714.29	Y		
1.11) Trailer 50T Lowboy		2015	Choice Trailer Manufacturing, Ltd / Katy, TX	MIPR	DLA	Oct 2014	Nov 2014	2	51,500.00	Y		
1.12) TRAILER HYD LOAD DECK 37 HYD 20T WINCH		2016	UNKNOWN / UNKNOWN	MIPR	GSA	Jan 2016	Jun 2016	3	70,687.00	Y		
1.14) TRUCK STAKE 6X6 DED 52000 GVW (RESERVE FORCES)		2015	NAVISTAR International / Madison Heights, MI	MIPR	GSA	Aug 2015	Jun 2016	4	139,250.00	Y		
1.15) TRUCK TANK FUEL 4X4 DED 1500 GAL		2017	UNKNOWN / UNKNOWN	MIPR	GSA	Jan 2017	Jul 2017	2	98,473.00	Y		
1.16) TRUCK TRACTOR ⁽²⁾		2015	UNKNOWN / UNKNOWN	Various	Various	Mar 2016	Sep 2016	1	129,000.00	Y		
1.16) TRUCK TRACTOR ⁽²⁾		2016	UNKNOWN / UNKNOWN	Various	Various	Apr 2016	Dec 2016	10	170,458.00	Y		
1.16) TRUCK TRACTOR ⁽²⁾		2017	UNKNOWN / UNKNOWN	Various	Various	Jan 2017	Sep 2017	10	173,867.00	Y		
1.17) TRUCK TRACTOR CREWCAB		2016	UNKNOWN / UNKNOWN	MIPR	GSA	Feb 2016	Aug 2016	3	167,116.00	Y		
1.18) TRUCK TRACTOR CREWCAB w/EMP		2016	UNKNOWN / UNKNOWN	MIPR	GSA	Feb 2016	Aug 2016	3	254,750.00	Y		
1.19) SPECIAL PURPOSE VEHICLE-BEARCATS		2016	LENCO / Pittsfield, MA	MIPR	GSA	Jun 2016	Mar 2017	1	266,000.00	N		
1.19) SPECIAL PURPOSE VEHICLE-BEARCATS		2017	LENCO / Pittsfield, MA	MIPR	GSA	May 2017	Feb 2018	1	246,000.00	N		
2) COMBAT CONSTRUCTION SUPPORT EQUIPMENT												
2.1) AIR COND/HEATING ENVIRONMENTAL CONTROL UNITS (FDECU)		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	Jul 2017	20	14,330.00	Y		
2.3) ANCILLARY EQUIPMENT		2015	Various / Various	Reqn	DLA	Oct 2014	Jan 2015	6	157,667.00	Y		
2.4) CONTAINERS		2015	Sea Box Inc / Cinnaminson, NJ	C / TBD	DLA	Oct 2014	Jan 2015	306	19,840.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6060 / Items under \$5 million					Aggregated Items: Items under \$5 million				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.4) CONTAINERS		2016	UNKNOWN / UNKNOWN	C / TBD	DLA	Jan 2016	Jun 2016	27	13,090.00	Y		
2.8) EXPEDITIONARY FACILITIES - LAUNDRY		2015	Various / Various	MIPR	DLA	Feb 2015	Apr 2015	21	72,714.00	Y		
2.11) EXPEDITIONARY FACILITY		2016	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2016	Jun 2016	4	789,697.00	N		
2.11) EXPEDITIONARY FACILITY		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	Jun 2017	6	805,151.00	N		
2.12) EXPEDITIONARY FACILITY (RESERVE FORCES)		2016	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2016	Jun 2016	2	789,697.00	N		
2.15) FUEL - STORAGE AND DISTRIBUTION		2015	VARIOUS / VARIOUS	MIPR	DLA	Sep 2015	Jan 2016	19	9,632.00	Y		
2.21) POWER		2015	DRS Environmental Systems Inc / Arlington, VA	C / TBD	DLA	Jan 2015	Apr 2015	26	30,923.08	Y		
2.22) POWER - 200 AMP LEX BOX ASSEMBLY		2017	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2017	Jul 2017	4	8,418.00	Y		
2.25) TMDE - RADIO TEST SETS		2017	UNKNOWN / UNKNOWN	C / TBD	DLA	Jan 2017	Jul 2017	14	37,324.00	Y		
2.26) TMDE - RADIO TEST SETS (RESERVE FORCES)		2017	UNKNOWN / UNKNOWN	C / TBD	DLA	Jan 2017	Jul 2017	15	37,324.00	Y		
2.27) WATER - 900GAL SIXCON MODULE		2017	UNKNOWN / UNKNOWN	C / TBD	DLA	Jan 2017	Jul 2017	7	47,765.00	Y		
2.28) WATER - DISTRIBUTOR 2000 GAL TRUCK MOUNTED 6X6		2016	UNKNOWN / UNKNOWN	MIPR	GSA	Feb 2016	Aug 2016	2	171,192.00	Y		
2.29) WATER - MAN PORTABLE WATER SYSTEMS		2016	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2016	Jun 2016	4	22,418.00	Y		
2.30) WATER - PUMP WATER DED 125GPM MTD SIXCON MOD		2016	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2016	Jun 2016	9	25,475.00	Y		
2.31) WATER - STORAGE AND DISTRIBUTION		2015	UNKNOWN / UNKNOWN	C / TBD	DLA	Mar 2016	Aug 2016	61	11,820.00	Y		
2.32) WATER - TANK 900GAL SIXCON MODULE		2016	UNKNOWN / UNKNOWN	MIPR	DLA	Jan 2016	Jun 2016	40	46,874.00	Y		
3) MOBILE UTILITIES SUPPORT EQUIPMENT												
3.1) MOBILE UTILITIES SUPPORT EQUIPMENT		2015	Facilities Developmet Corp / Reston, VA	C / FFP	NAVFAC	May 2015	May 2016	1	906,000.00	Y		
3.1) MOBILE UTILITIES SUPPORT EQUIPMENT		2016	Argo Systems, LLC / Hanover, MD	C / FFP	NAVFAC	May 2016	May 2017	1	900,000.00	N		
3.1) MOBILE UTILITIES SUPPORT EQUIPMENT		2017	Unknown / Unknown	C / FFP	NAVFAC	May 2017	May 2018	1	847,000.00	N		
4) OCEAN CONSTRUCTION EQUIPMENT												
4.1) OCEAN CONSTRUCTION EQUIPMENT		2015	ADS Operational Equipment and Logistics Support / Virginia Beach, VA	C / FFP	NAVFAC	Mar 2015	Jul 2015	4	87,000.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6060 / Items under \$5 million					Aggregated Items: Items under \$5 million				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1) OCEAN CONSTRUCTION EQUIPMENT		2016	ADS Operational Equipment and Logistics Support / Virginia Beach, VA	C / FFP	NAVFAC	Mar 2016	Jul 2016	4	75,000.00	N		
4.1) OCEAN CONSTRUCTION EQUIPMENT		2017	Unknown / Unknown	C / FFP	NAVFAC	Jan 2017	Jun 2017	4	45,250.00	N		
5) DON ENERGY INITIATIVE												
5.1) DON ENERGY INITIATIVE		2015	DRS Environmental Systems Inc / Arlington, VA	MIPR	PM MEP	Feb 2015	Apr 2015	1	16,000.00	N		
5.2) EXPEDITIONARY POWER INTERGRATION & CONTROL (EPIC)		2017	UNKNOWN / UNKNOWN	MIPR	PM MEP	Jan 2017	Jul 2017	6	365,702.00	N		
5.3) IMPROVED ENVIRONMENTAL CONTROL UNIT		2016	UNKNOWN / UNKNOWN	MIPR	DLA	Feb 2016	Aug 2016	1	16,000.00	N		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment	P-1 Line Item Number / Title: 6075 / Physical Security Vehicles
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	1.177	1.186	1.095	0.000	1.095	1.167	1.191	1.218	1.241	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	1.177	1.186	1.095	0.000	1.095	1.167	1.191	1.218	1.241	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	1.177	1.186	1.095	0.000	1.095	1.167	1.191	1.218	1.241	Continuing	Continuing

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

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

Description:

This budget line item funds procurement of physical security vehicles to include armored sedans and armored cargo/utility trucks assigned to Antiterrorism (AT), Counterintelligence (CI), and Counternarcotics (CN) missions in high threat OCONUS locations.

Sedans and cargo/utility trucks are armored to various levels of protection and are on platforms of varying sizes and gross vehicle weights, dependent upon the level of threat and the operating environment. These vehicles are generically referred to as either Commercial Heavy Armored Vehicles (CHAVs) or Commercial Light Armored Vehicles (CLAVs).

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment
P-1 Line Item Number / Title: 6075 / Physical Security Vehicles

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Physical Security Vehicles	P-5a			- / 0.000	- / 1.177	- / 1.186	- / 1.095	- / -	- / 1.095
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 1.177	- / 1.186	- / 1.095	- / 0.000	- / 1.095

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2017 decrease in Physical Security Vehicles OPN by \$0.046M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1 **P-1 Line Item Number / Title:** 6075 / Physical Security Vehicles **Aggregated Items Title:** Physical Security Vehicles

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) HEAVY ARMORED VEHICLES																				
1.1) AUTOMOBILE SEDAN ARMORED HEAVY ^{(1)(†)}	A		-	-	-	250,000.00	1	0.250	414,459.00	1	0.414	439,171.00	1	0.439	-	-	-	439,171.00	1	0.439
Subtotal: 1) HEAVY ARMORED VEHICLES			-	-	0.000	-	-	0.250	-	-	0.414	-	-	0.439	-	-	-	-	-	0.439
2) LIGHT ARMORED VEHICLES																				
2.1) 4X4 4 DOOR 6 PASS LIGHT ARMORED ^(†)	A		-	-	-	185,400.00	5	0.927	192,940.00	4	0.772	164,000.00	4	0.656	-	-	-	164,000.00	4	0.656
Subtotal: 2) LIGHT ARMORED VEHICLES			-	-	0.000	-	-	0.927	-	-	0.772	-	-	0.656	-	-	-	-	-	0.656
Total			-	-	0.000	-	-	1.177	-	-	1.186	-	-	1.095	-	-	-	-	-	1.095

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

^(†) indicates the presence of a P-5a

Footnotes:

⁽¹⁾ FY15 reflects the unit cost of an aftermarket commercial heavy armored vehicle (CHAV) sedan. The opportunity to procure the sedan arose due to the Cadillac product, which does not exceed the unit cost limitation, becoming more prevalent in the local driving environment of one of the locations supported by the PSV program. Department of Navy (DON) PSVs are procured through the Department of State, which has identified a Cadillac available in FY15 for DON use. FY17 unit cost readjusted by 6% increase to more accurately reflect the future market value of a factory-armored, assembly-line manufactured heavy armored sedan. Previous FY submissions took into account budgeted inflation rates of 1.9% - 2% only, not rising costs associated with armoring materials and foreign currency fluctuations.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Number / Title: 6075 / Physical Security Vehicles	Aggregated Items: Physical Security Vehicles
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) HEAVY ARMORED VEHICLES												
1.1) AUTOMOBILE SEDAN ARMORED HEAVY ⁽¹⁾		2015	Scaletta Armoring / Bedford Park, Illinois	MIPR	RPSO	Nov 2015	Apr 2016	1	250,000.00	Y		
1.1) AUTOMOBILE SEDAN ARMORED HEAVY ⁽¹⁾		2016	Unknown / Unknown	MIPR	RPSO	Sep 2016	Feb 2017	1	414,459.00	Y		
1.1) AUTOMOBILE SEDAN ARMORED HEAVY ⁽¹⁾		2017	Unknown / Unknown	MIPR	RPSO	Sep 2017	Feb 2018	1	439,171.00	Y		
2) LIGHT ARMORED VEHICLES												
2.1) 4X4 4 DOOR 6 PASS LIGHT ARMORED		2015 ⁽²⁾	O'Gara Mobile Systems / Fairfield, Ohio	MIPR	RPSO	Jan 2016	Jun 2016	5	185,400.00	Y		
2.1) 4X4 4 DOOR 6 PASS LIGHT ARMORED		2016 ⁽³⁾	Unknown / Unknown	MIPR	RPSO	Sep 2016	Feb 2017	4	192,940.00	Y		
2.1) 4X4 4 DOOR 6 PASS LIGHT ARMORED		2017	Unknown / Unknown	MIPR	RPSO	Sep 2017	Feb 2018	4	164,000.00	Y		

Footnotes:

⁽²⁾ * Higher unit cost is due to security requirements at specific locations which include procurement of make/model vehicle that is predominant to the area, higher level of ballistic and blast protection, and compliance with Gulf Cooperative Council (GCC) emission system and power train standards.

⁽³⁾ * Higher unit cost is due to security requirements at specific locations which include procurement of make/model vehicle that is predominant to the area, higher level of ballistic and blast protection, and compliance with Gulf Cooperative Council (GCC) emission system and power train standards.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment	P-1 Line Item Number / Title: 7015 / Materials Handling Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203422N, 0203425N, 0204230N, 0204413N, 0204423N, 0204424N, 0204455N, 0204651N, 0208036N, 0708012N, 0502384N, 0101315N
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
<i>Procurement Quantity (Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Gross/Weapon System Cost (\$ in Millions)</i>	0.000	11.387	18.805	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	30.192
<i>Less PY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Net Procurement (P-1) (\$ in Millions)</i>	0.000	11.387	18.805	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	30.192
<i>Plus CY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	11.387	18.805	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	30.192

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

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

Description:

Starting FY17, line items 7015 Materials Handling Equipment and 7050 Other Supply Support Equipment are being combined into line item 7025, Supply Equipment.

MATERIAL HANDLING EQUIPMENT (MHE): This program funds the procurement of Material Handling Equipment to satisfy operational requirements and replaces overaged non-repairable equipment used in material handling operations at world-wide Navy activities. Major using activities include ships, naval magazines, air stations, weapon stations, and overseas support activities such as Sigonella and Sasebo. The MHE program also funds General Fund activities to meet known operational requirements for replacement of equipment which has exceeded its economic life. Overaged equipment is not cost effective to maintain for continued operation, and repair parts are difficult to obtain. Replacement of overaged equipment with new and more efficient models will reduce excessive costs attributed to repair/overhaul, downtime and maintenance. New equipment will enhance productivity and enable stations to meet handling and logistics requirements in an efficient and effective manner.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment		P-1 Line Item Number / Title: 7015 / Materials Handling Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0203422N, 0203425N, 0204230N, 0204413N, 0204423N, 0204424N, 0204455N, 0204651N, 0208036N, 0708012N, 0502384N, 0101315N
Line Item MDAP/MAIS Code: N/A		

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Materials Handling Equipment	P-5a			- / 0.000	- / 11.387	- / 18.805	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 11.387	- / 18.805	- / 0.000	- / 0.000	- / 0.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.
 Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY16 increase includes procurement of three 25K aircraft loader/unloaders (\$2.6M) critical to logistics operations at naval installations. Additionally, procurement of 18 Millennia Military Vehicle (MMVs) is critical to the success of expeditionary operations carried out by the Naval Construction Force (\$2.9M). MMVs are armored which adds weight to the vehicles and results in additional wear. Navy-wide there are at least 4,489 pieces of Material Handling Equipment which will be more than 10 years old in 2016. This quantity includes gas-powered, diesel-powered and electric-powered forklifts and tow tractors that are critical to the operations of shore Navy Shore activities (\$2.583M). The normal life expectancy for Materials Handling Equipment is 10 years. Navy must recapitalize the MHE inventory to support the Warfighter.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1 **P-1 Line Item Number / Title:** 7015 / Materials Handling Equipment **Aggregated Items Title:** Materials Handling Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) New Requirements (BSO 23)																				
1.1) 6,000 lb 1330 (W4001) ^(†)	A		-	-	-	-	-	-	27,216.00	2	0.054	-	-	-	-	-	-	-	-	-
1.2) 4,000 lb 1890 (W4002) ^(†)	A		-	-	-	106,756.00	4	0.427	-	-	-	-	-	-	-	-	-	-	-	-
1.3) 11,000 lb 1820 MMV (W4001) ^(†)	A		-	-	-	155,330.00	2	0.311	158,282.00	18	2.849	-	-	-	-	-	-	-	-	-
1.4) 25,000 lb 1433 (W4005) ^(†)	A		-	-	-	-	-	-	879,953.00	3	2.640	-	-	-	-	-	-	-	-	-
1.5) 36,000 lb 1340 (W4001) ^(†)	A		-	-	-	-	-	-	176,398.00	1	0.176	-	-	-	-	-	-	-	-	-
1.6) Non-Powered MHE	A		-	-	-	-	-	0.362	-	-	0.393	-	-	-	-	-	-	-	-	-
Subtotal: 1) New Requirements (BSO 23)			-	-	0.000	-	-	1.100	-	-	6.112	-	-	-	-	-	-	-	-	-
2) Replacement Program - (BSO 23)																				
2.1) 4,000 lb 1300 (W4001) ^(†)	A		-	-	-	26,876.00	3	0.081	27,387.00	20	0.548	-	-	-	-	-	-	-	-	-
2.2) 6,000 lb 1300 (W4001) ^(†)	A		-	-	-	31,451.00	17	0.535	32,049.00	16	0.513	-	-	-	-	-	-	-	-	-
2.3) 4,000 lb 1320 (W4001) ^(†)	A		-	-	-	27,702.00	2	0.055	28,228.00	15	0.423	-	-	-	-	-	-	-	-	-
2.4) 6,000 lb 1320 (W4001) ^(†)	A		-	-	-	30,100.00	11	0.331	30,672.00	15	0.460	-	-	-	-	-	-	-	-	-
2.5) 6,000 lb 1330 (W4001) ^(†)	A		-	-	-	31,452.00	17	0.535	32,050.00	31	0.994	-	-	-	-	-	-	-	-	-
2.6) 10,000 lb 1340 (W4001) ^(†)	A		-	-	-	59,489.00	3	0.178	60,619.00	6	0.364	-	-	-	-	-	-	-	-	-
2.7) 15,000 lb 1340 (W4001) ^(†)	A		-	-	-	67,657.00	7	0.474	68,943.00	8	0.552	-	-	-	-	-	-	-	-	-
2.8) 20,000 lb 1340 (W4001) ^(†)	A		-	-	-	125,406.00	9	1.129	127,789.00	15	1.917	-	-	-	-	-	-	-	-	-
2.9) 20,000 lb 1340 (W4001) Shipboard ^(†)	A		-	-	-	242,167.00	2	0.484	-	-	-	-	-	-	-	-	-	-	-	-
2.10) 4,000 lb 1370 (W4001) ^(†)	A		-	-	-	27,802.00	9	0.250	28,330.00	11	0.312	-	-	-	-	-	-	-	-	-
2.11) 6,000 lb 1370 (W4001) ^(†)	A		-	-	-	33,662.00	6	0.202	34,301.00	10	0.343	-	-	-	-	-	-	-	-	-
2.12) 4,000 lb 1370 (W4001) Shipboard ^(†)	A		-	-	-	65,280.00	7	0.457	66,520.00	6	0.399	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1 **P-1 Line Item Number / Title:** 7015 / Materials Handling Equipment **Aggregated Items Title:** Materials Handling Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
2.13) 1,000 lb 1396 (W4001) Shipboard ^(†)	A		-	-	-	-	-	-	110,509.00	5	0.553	-	-	-	-	-	-	-	-	-
2.14) 3,000 lb 1395 (W4001) ^(†)	A		-	-	-	23,473.00	3	0.070	23,919.00	6	0.144	-	-	-	-	-	-	-	-	-
2.15) 4,000 lb 1390 (W4001) ^(†)	A		-	-	-	26,917.00	6	0.162	27,429.00	11	0.302	-	-	-	-	-	-	-	-	-
2.16) 4,000 lb 1390 (W4001) Shipboard ^(†)	A		-	-	-	111,608.00	27	3.013	113,728.00	26	2.957	-	-	-	-	-	-	-	-	-
2.17) 4,000 lb 1820 (W4001) Shipboard ^(†)	A		-	-	-	89,497.00	7	0.626	91,197.00	11	1.003	-	-	-	-	-	-	-	-	-
2.18) 10,000 lb 1820 (W4001) Shipboard ^(†)	A		-	-	-	183,205.00	3	0.550	-	-	-	-	-	-	-	-	-	-	-	-
2.19) 4,000 lb 1100 (W4003) ^(†)	A		-	-	-	29,310.00	1	0.029	29,867.00	7	0.209	-	-	-	-	-	-	-	-	-
2.20) 7,500 lb 1110 (W4003) ^(†)	A		-	-	-	35,812.00	7	0.251	36,492.00	9	0.328	-	-	-	-	-	-	-	-	-
2.21) 20,000 lb 1200 (W4004) ^(†)	A		-	-	-	108,635.00	2	0.217	-	-	-	-	-	-	-	-	-	-	-	-
2.22) 20,000 lb 1200 (W4004) Shipboard ^(†)	A		-	-	-	156,882.00	4	0.628	-	-	-	-	-	-	-	-	-	-	-	-
2.23) 4,000 lb 1400 (W4005) ^(†)	A		-	-	-	30,136.00	1	0.030	30,709.00	5	0.154	-	-	-	-	-	-	-	-	-
2.24) 4,000 lb 1600 (W4006) ^(†)	A		-	-	-	-	-	-	11,109.00	4	0.044	-	-	-	-	-	-	-	-	-
2.25) 6,000 lb 1610 (W4006) Shipboard ^(†)	A		-	-	-	-	-	-	31,114.00	5	0.156	-	-	-	-	-	-	-	-	-
2.26) Non-Powered MHE	A		-	-	-	-	-	-	-	-	0.018	-	-	-	-	-	-	-	-	-
Subtotal: 2) Replacement Program - (BSO 23)			-	-	0.000	-	-	10.287	-	-	12.693	-	-	-	-	-	-	-	-	-
Total			-	-	0.000	-	-	11.387	-	-	18.805	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1				P-1 Line Item Number / Title: 7015 / Materials Handling Equipment				Aggregated Items: Materials Handling Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) New Requirements (BSO 23)												
1.1) 6,000 lb 1330 (W4001)		2016	Hyster / CA	C / FP	DSC Philadelphia	Mar 2016	Jan 2017	2	27,216.00	Y		
1.2) 4,000 lb 1890 (W4002)		2015	Landoll Corp / VA	C / FP	DSC Philadelphia	Mar 2016	Jan 2017	4	106,756.00	Y		
1.3) 11,000 lb 1820 MMV (W4001)		2015	JLG / Pennsylvania	C / FP	DSC Philadelphia	Jun 2015	Dec 2015	2	155,330.00	Y		
1.3) 11,000 lb 1820 MMV (W4001)		2016	JLG / Pennsylvania	C / FP	DSC Philadelphia	Jun 2016	Dec 2016	18	158,282.00	Y		
1.4) 25,000 lb 1433 (W4005)		2016	Wright & Wright / Kentucky	C / FP	DSC Philadelphia	Nov 2015	Aug 2016	3	879,953.00	Y		
1.5) 36,000 lb 1340 (W4001)		2016	Hoist Lift Mfg. / IL	C / FP	DSC Philadelphia	Nov 2015	Jul 2016	1	176,398.00	Y		
2) Replacement Program - (BSO 23)												
2.1) 4,000 lb 1300 (W4001)		2015	Hyster / California	C / FP	DSC Philadelphia	Jul 2015	Mar 2016	3	26,876.00	Y		
2.1) 4,000 lb 1300 (W4001)		2016	Hyster / California	C / FP	DSC Philadelphia	Jan 2016	Sep 2016	20	27,387.00	Y		
2.2) 6,000 lb 1300 (W4001)		2015	Raymond / California	C / FP	DSC Philadelphia	Jun 2015	Dec 2015	17	31,451.00	Y		
2.2) 6,000 lb 1300 (W4001)		2016	Raymond / California	C / FP	DSC Philadelphia	Jan 2016	Aug 2016	16	32,049.00	Y		
2.3) 4,000 lb 1320 (W4001)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jun 2015	Mar 2016	2	27,702.00	Y		
2.3) 4,000 lb 1320 (W4001)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Feb 2016	Aug 2016	15	28,228.00	Y		
2.4) 6,000 lb 1320 (W4001)		2015	Hyster / CA	C / FP	DSC Philadelphia	Sep 2015	Jun 2016	11	30,100.00	Y		
2.4) 6,000 lb 1320 (W4001)		2016	Hyster / CA	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	15	30,672.00	Y		
2.5) 6,000 lb 1330 (W4001)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jul 2015	Jan 2016	17	31,452.00	Y		
2.5) 6,000 lb 1330 (W4001)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	31	32,050.00	Y		
2.6) 10,000 lb 1340 (W4001)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jul 2015	Feb 2016	3	59,489.00	Y		
2.6) 10,000 lb 1340 (W4001)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Feb 2016	Aug 2016	6	60,619.00	Y		
2.7) 15,000 lb 1340 (W4001)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jul 2015	Feb 2016	7	67,657.00	Y		
2.7) 15,000 lb 1340 (W4001)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Mar 2016	Sep 2016	8	68,943.00	Y		
2.8) 20,000 lb 1340 (W4001)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jul 2015	Apr 2016	9	125,406.00	Y		
2.8) 20,000 lb 1340 (W4001)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	15	127,789.00	Y		
2.9) 20,000 lb 1340 (W4001) Shipboard		2015	Wesley / Georgia	C / FP	DSC Philadelphia	Sep 2015	Jun 2016	2	242,167.00	Y		
2.10) 4,000 lb 1370 (W4001)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jun 2015	Mar 2016	9	27,802.00	Y		
2.10) 4,000 lb 1370 (W4001)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	11	28,330.00	Y		
2.11) 6,000 lb 1370 (W4001)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jun 2015	Apr 2016	6	33,662.00	Y		
2.11) 6,000 lb 1370 (W4001)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Jan 2016	Sep 2016	10	34,301.00	Y		
2.12) 4,000 lb 1370 (W4001) Shipboard		2015	Wesley / Georgia	C / FP	DSC Philadelphia	Feb 2015	Aug 2015	7	65,280.00	Y		
2.12) 4,000 lb 1370 (W4001) Shipboard		2016	Wesley / Georgia	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	6	66,520.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1	P-1 Line Number / Title: 7015 / Materials Handling Equipment	Aggregated Items: Materials Handling Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.13) 1,000 lb 1396 (W4001) Shipboard		2016	Wesley / GA	C / FP	DSC Philadelphia	Jan 2016	Sep 2016	5	110,509.00	Y		
2.14) 3,000 lb 1395 (W4001)		2015	Raymond / California	C / FP	DSC Philadelphia	Jul 2015	Jan 2016	3	23,473.00	Y		
2.14) 3,000 lb 1395 (W4001)		2016	Raymond / California	C / FP	DSC Philadelphia	Mar 2016	Sep 2016	6	23,919.00	Y		
2.15) 4,000 lb 1390 (W4001)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jul 2015	Jul 2016	6	26,917.00	Y		
2.15) 4,000 lb 1390 (W4001)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	11	27,429.00	Y		
2.16) 4,000 lb 1390 (W4001) Shipboard		2015	Wesley / Georgia	C / FP	DSC Philadelphia	Aug 2015	Aug 2016	27	111,608.00	Y		
2.16) 4,000 lb 1390 (W4001) Shipboard		2016	Wesley / Georgia	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	26	113,728.00	Y		
2.17) 4,000 lb 1820 (W4001) Shipboard		2015	Wesley / Georgia	C / FP	DSC Philadelphia	Feb 2015	Aug 2015	7	89,497.00	Y		
2.17) 4,000 lb 1820 (W4001) Shipboard		2016	Wesley / Georgia	C / FP	DSC Philadelphia	Feb 2016	Aug 2016	11	91,197.00	Y		
2.18) 10,000 lb 1820 (W4001) Shipboard		2015	Wesley / Georgia	C / FP	DSC Philadelphia	Feb 2015	Aug 2015	3	183,205.00	Y		
2.19) 4,000 lb 1100 (W4003)		2015	Raymond / California	C / FP	DSC Philadelphia	Jul 2015	Feb 2016	1	29,310.00	Y		
2.19) 4,000 lb 1100 (W4003)		2016	Raymond / California	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	7	29,867.00	Y		
2.20) 7,500 lb 1110 (W4003)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jul 2015	Apr 2016	7	35,812.00	Y		
2.20) 7,500 lb 1110 (W4003)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Jan 2016	Sep 2016	9	36,492.00	Y		
2.21) 20,000 lb 1200 (W4004)		2015	TOYOTA MOTOR CO / California	C / FP	DSC Philadelphia	Aug 2015	May 2016	2	108,635.00	Y		
2.22) 20,000 lb 1200 (W4004) Shipboard		2015	Wesley / Georgia	C / FP	DSC Philadelphia	Aug 2015	May 2016	4	156,882.00	Y		
2.23) 4,000 lb 1400 (W4005)		2015	NACCO / Ohio	C / FP	DSC Philadelphia	Jul 2015	Mar 2016	1	30,136.00	Y		
2.23) 4,000 lb 1400 (W4005)		2016	NACCO / Ohio	C / FP	DSC Philadelphia	Jan 2016	Sep 2016	5	30,709.00	Y		
2.24) 4,000 lb 1600 (W4006)		2016	Wesley / GA	C / FP	DSC Philadelphia	Jun 2016	Dec 2016	4	11,109.00	Y		
2.25) 6,000 lb 1610 (W4006) Shipboard		2016	Wesley / Georgia	C / FP	DSC Philadelphia	Feb 2016	Sep 2016	5	31,114.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment	P-1 Line Item Number / Title: 7025 / Supply Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0708012N	Other Related Program Elements: 0203422N, 0203425N, 0204413N, 0204423N, 0204424N, 0204455N, 0204996N, 0208036N, 0502384N
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
<i>Procurement Quantity (Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Gross/Weapon System Cost (\$ in Millions)</i>	0.000	0.000	0.000	16.023	0.000	16.023	34.231	22.229	21.961	22.385	Continuing	Continuing
<i>Less PY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Net Procurement (P-1) (\$ in Millions)</i>	0.000	0.000	0.000	16.023	0.000	16.023	34.231	22.229	21.961	22.385	Continuing	Continuing
<i>Plus CY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.000	0.000	16.023	0.000	16.023	34.231	22.229	21.961	22.385	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
<i>Initial Spares (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Flyaway Unit Cost (\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Gross/Weapon System Unit Cost (\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Note: Efforts within this budget line were consolidated from LIs 7015 and 7050 in FY16 and prior.

MATERIAL HANDLING EQUIPMENT (MHE): This program funds the procurement of Material Handling Equipment to satisfy operational requirements and replaces overaged non-repairable equipment used in material handling operations at world-wide Navy activities. Major using activities include ships, naval magazines, air stations, weapon stations, and overseas support activities such as Sigonella and Sasebo. The MHE program also funds General Fund activities to meet known operational requirements for replacement of equipment which has exceeded its economic life. Overaged equipment is not cost effective to maintain for continued operation, and repair parts are difficult to obtain. Replacement of overaged equipment with new and more efficient models will reduce excessive costs attributed to repair/overhaul, downtime and maintenance. New equipment will enhance productivity and enable stations to meet handling and logistics requirements in an efficient and effective manner.

NAVY CASH PROGRAM: This program funds the procurement of the Navy Cash™ system and CACPay Program. Navy Cash was developed to improve business processes, create workload efficiencies, and enhance the quality of life for Sailors and Marines on board ship. It enhances the efficiencies and security of automated pay delivery and safekeeping deposit provided by the ATMs-at-Sea system that Navy Cash replaced. Everyone on a ship receives a Navy Cash or Marine Cash card, a branded debit card that looks like a typical debit or check card. It utilizes a pre-paid debit model to provide for a cashless shipboard environment for all retail and other personal financial transactions and helps to reduce the workload for the Disbursing Office and retail locations throughout the ship. This affords more time for core functions and thereby increases readiness. It also improves shipboard business practices by automating and significantly reducing the handling of bills, coins, personal checks, and money orders, automating back-end financial processes and minimizing error-prone cash transactions while it reduces the workload associated with cash management and improves the efficiency and accuracy of fiscal accountability. This overall reduction in the need for cash decreases the costs associated with maintaining large amounts of cash in the safes of ships for the six or more months of deployment. The CACPay Program was developed to provide the Fleet a single transaction and payment collection solution to replace the current Navy Cash System that will reach end of service life in 2020. Over \$8M will be saved each year versus the Navy Cash program by reducing afloat hardware to maintain and administrative costs of Information Technology (IT) and Disbursing Officers workloads currently associated with the current Navy Cash system. This payment system shifts from the banking model of Navy Cash to a web based payment model similar to PayPal/Amazon. It will reduce system components, IT footprint, Navy Cash card costs, and PII data, utilizing a standard issued Common Access Card (CAC). Sailors and Marines will register their CAC online, enter a payment method agreeing to pay, swipe their CAC barcode at ship retail sales to purchase goods, and the sale is finalized and data transmitted. Transactions are uploaded and collections processed with Shore Support transfers of funds to CACPay Merchants. It is relatively inexpensive to install, operate, and maintain and there is no preventative maintenance costs resulting in very little trouble-shooting. Installation of this program is scheduled to begin in FY17.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment		P-1 Line Item Number / Title: 7025 / Supply Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0708012N	Other Related Program Elements: 0203422N, 0203425N, 0204413N, 0204423N, 0204424N, 0204455N, 0204996N, 0208036N, 0502384N
Line Item MDAP/MAIS Code: N/A		
<p>Navy Cash Installation Program: 2014 30 Installations (23 Small / 3 Med / 3 Large / 1 CVN) - Shown under P-1 Line Item 7050 2015 30 Installations (19 Small / 5 Med / 2 Large / 4 CVN) - Shown under P-1 Line Item 7050 2016 38 Installations (20 Small / 10 Med / 5 Large / 3 CVN) - Shown under P-1 Line Item 7050 2017 6 Installations (3 Small / 2 Med / 1 Large / 0 CVN) 2018 1 Installation (1 Small) 2019 1 Installation (1 Large)</p> <p>CACPAY Installation Program: 2017 27 Installations (24 Small / 3 Med / 0 Large /0 CVN)</p> <p>AUTOMATIC IDENTIFICATION TECHNOLOGY (AIT): The Department of Defense (DoD) promulgated Radio Frequency Identification (RFID) Policy on 30 July 2004. Current DoD RFID policy focuses on In-Transit Visibility (ITV) support of the Combatant Commanders (COCOMs) as the primary application of active RFID, and DoD Supply Management applications for passive RFID. This effort will ensure Fleet and component commands have deployable active RFID capability to support contingencies and DoD/Navy RFID policy. Navy has invested in and taken action to support implementation of 35 CONUS and OCONUS locations. These funds represent the Navy costs for the initial outfitting and life cycle costs to fully fund all currently identified COCOM ITV requirements. The Navy continues to coordinate with the Army's Product Director Automated Movement and Identification Solutions (PD-AMIS) for all aRFID and DOD AIT RF-ITV Contract installations, upgrades, hardware, software and infrastructure procurement requirements for Navy sites. Recently AIT aRFID Program Management support changed from the NAVSUP Global Logistics Support to the Weapons Systems Support Transportation and Distribution which provides a unique integration of logistics and analysis capability.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment

P-1 Line Item Number / Title:
7025 / Supply Equipment

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** 0708012N **Other Related Program Elements:** 0203422N, 0203425N, 0204413N, 0204423N, 0204424N, 0204455N, 0204996N, 0208036N, 0502384N

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Materials Handling Equipment	P-5a			- / 0.000	- / -	- / -	- / 11.449	- / -	- / 11.449
P-5	1 / Other Supply Support Equipment				- / 0.000	- / 0.000	- / 0.000	- / 4.574	- / 0.000	- / 4.574
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.000	- / 0.000	- / 16.023	- / 0.000	- / 16.023

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2017 decrease in Supply Equipment OPN by \$0.676M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

The FY 2017 funding request was also reduced by \$1.664M to account for the availability of prior year execution balances.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1 **P-1 Line Item Number / Title:** 7025 / Supply Equipment **Aggregated Items Title:** Materials Handling Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) New Requirements (BSO 23)																				
1.4) 11,000 lb 1820 MMV (W4001) RESERVE FORCES ^(†)	A		-	-	-	-	-	-	-	-	161,447.00	4	0.646	-	-	-	161,447.00	4	0.646	
1.6) 20,000 lb 1820 (W4002) ^(†)	A		-	-	-	-	-	-	-	-	311,845.00	1	0.312	-	-	-	311,845.00	1	0.312	
1.7) Non-Powered MHE	A		-	-	-	-	-	-	-	-	-	-	0.335	-	-	-	-	-	0.335	
Subtotal: 1) New Requirements (BSO 23)			-	-	0.000	-	-	-	-	-	-	-	1.293	-	-	-	-	-	1.293	
2) Replacement Program - (BSO 23)																				
2.1) 4,000 lb 1300 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	27,935.00	18	0.503	-	-	-	27,935.00	18	0.503	
2.2) 4,000 lb 1300 (W4001) RESERVE FORCES ^(†)	A		-	-	-	-	-	-	-	-	27,935.00	2	0.056	-	-	-	27,935.00	2	0.056	
2.3) 6,000 lb 1300 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	32,690.00	22	0.719	-	-	-	32,690.00	22	0.719	
2.5) 4,000 lb 1320 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	28,793.00	15	0.432	-	-	-	28,793.00	15	0.432	
2.6) 6,000 lb 1320 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	31,286.00	15	0.469	-	-	-	31,286.00	15	0.469	
2.7) 6,000 lb 1330 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	32,691.00	18	0.588	-	-	-	32,691.00	18	0.588	
2.8) 10,000 lb 1340 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	61,832.00	6	0.371	-	-	-	61,832.00	6	0.371	
2.9) 15,000 lb 1340 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	70,322.00	8	0.563	-	-	-	70,322.00	8	0.563	
2.11) 20,000 lb 1340 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	130,344.00	9	1.173	-	-	-	130,344.00	9	1.173	
2.17) 4,000 lb 1370 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	28,897.00	24	0.694	-	-	-	28,897.00	24	0.694	
2.19) 6,000 lb 1370 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	34,987.00	10	0.350	-	-	-	34,987.00	10	0.350	
2.21) 4,000 lb 1370 (W4001) Shipboard ^(†)	A		-	-	-	-	-	-	-	-	67,851.00	6	0.407	-	-	-	67,851.00	6	0.407	
2.22) 1,000 lb 1396 (W4001) Shipboard ^(†)	A		-	-	-	-	-	-	-	-	112,720.00	3	0.338	-	-	-	112,720.00	3	0.338	
2.23) 3,000 lb 1395 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	24,398.00	6	0.146	-	-	-	24,398.00	6	0.146	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1 **P-1 Line Item Number / Title:** 7025 / Supply Equipment **Aggregated Items Title:** Materials Handling Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
2.25) 4,000 lb 1390 (W4001) ^(†)	A		-	-	-	-	-	-	-	-	27,977.00	10	0.280	-	-	-	27,977.00	10	0.280	
2.26) 4,000 lb 1390 (W4001) Shipboard ^(†)	A		-	-	-	-	-	-	-	-	116,003.00	11	1.276	-	-	-	116,003.00	11	1.276	
2.27) 4,000 lb 1820 (W4001) Shipboard ^(†)	A		-	-	-	-	-	-	-	-	93,021.00	10	0.930	-	-	-	93,021.00	10	0.930	
2.34) 4,000 lb 1100 (W4003) ^(†)	A		-	-	-	-	-	-	-	-	30,465.00	8	0.244	-	-	-	30,465.00	8	0.244	
2.35) 7,500 lb 1110 (W4003) ^(†)	A		-	-	-	-	-	-	-	-	37,222.00	6	0.223	-	-	-	37,222.00	6	0.223	
2.38) 4,000 lb 1400 (W4005) ^(†)	A		-	-	-	-	-	-	-	-	31,323.00	4	0.125	-	-	-	31,323.00	4	0.125	
2.39) 4,000 lb 1600 (W4006) ^(†)	A		-	-	-	-	-	-	-	-	11,331.00	3	0.034	-	-	-	11,331.00	3	0.034	
2.41) 6,000 lb 1610 (W4006) Shipboard ^(†)	A		-	-	-	-	-	-	-	-	31,737.00	7	0.222	-	-	-	31,737.00	7	0.222	
2.42) Non-Powered MHE	A		-	-	-	-	-	-	-	-	-	-	0.013	-	-	-	-	-	0.013	
Subtotal: 2) Replacement Program - (BSO 23)			-	-	0.000	-	-	-	-	-	-	-	10.156	-	-	-	-	-	10.156	
Total			-	-	0.000	-	-	-	-	-	-	-	11.449	-	-	-	-	-	11.449	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

^(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1				P-1 Line Item Number / Title: 7025 / Supply Equipment				Aggregated Items: Materials Handling Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) New Requirements (BSO 23)												
1.4) 11,000 lb 1820 MMV (W4001) RESERVE FORCES		2017	Oshkosh / WI	C / FP	DSC Philadelphia	Nov 2016	Aug 2017	4	161,447.00	Y		
1.6) 20,000 lb 1820 (W4002)		2017	JLG / Pennsylvania	C / FP	DSC Philadelphia	Nov 2016	Jul 2017	1	311,845.00	Y		
2) Replacement Program - (BSO 23)												
2.1) 4,000 lb 1300 (W4001)		2017	Hyster / CA	C / FP	DSC Philadelphia	Nov 2016	Jun 2017	18	27,935.00	Y		
2.2) 4,000 lb 1300 (W4001) RESERVE FORCES		2017	Toyota / OH	C / FP	DSC Philadelphia	Nov 2016	Aug 2017	2	27,935.00	Y		
2.3) 6,000 lb 1300 (W4001)		2017	Raymond / CA	C / FP	DSC Philadelphia	Dec 2016	Jul 2017	22	32,690.00	Y		
2.5) 4,000 lb 1320 (W4001)		2017	NACCO / OH	C / FP	DSC Philadelphia	Dec 2016	Aug 2017	15	28,793.00	Y		
2.6) 6,000 lb 1320 (W4001)		2017	Hyster / CA	C / FP	DSC Philadelphia	Dec 2016	Sep 2017	15	31,286.00	Y		
2.7) 6,000 lb 1330 (W4001)		2017	NACCO / OH	C / FP	DSC Philadelphia	Nov 2016	Jul 2017	18	32,691.00	Y		
2.8) 10,000 lb 1340 (W4001)		2017	NACCO / OH	C / FP	DSC Philadelphia	Dec 2016	Jul 2017	6	61,832.00	Y		
2.9) 15,000 lb 1340 (W4001)		2017	NACCO / OH	C / FP	DSC Philadelphia	Nov 2016	Jun 2017	8	70,322.00	Y		
2.11) 20,000 lb 1340 (W4001)		2017	NACCO / OH	C / FP	DSC Philadelphia	Dec 2016	Jun 2017	9	130,344.00	Y		
2.17) 4,000 lb 1370 (W4001)		2017	NACCO / OH	C / FP	DSC Philadelphia	Dec 2016	Aug 2017	24	28,897.00	Y		
2.19) 6,000 lb 1370 (W4001)		2017	NACCO / OH	C / FP	DSC Philadelphia	Dec 2016	Jul 2017	10	34,987.00	Y		
2.21) 4,000 lb 1370 (W4001) Shipboard		2017	Wesley / GA	C / FP	DSC Philadelphia	Jan 2017	Aug 2017	6	67,851.00	Y		
2.22) 1,000 lb 1396 (W4001) Shipboard		2017	Wesley / GA	C / FP	DSC Philadelphia	Nov 2016	Jul 2017	3	112,720.00	Y		
2.23) 3,000 lb 1395 (W4001)		2017	Raymond / CA	C / FP	DSC Philadelphia	Dec 2016	Jul 2017	6	24,398.00	Y		
2.25) 4,000 lb 1390 (W4001)		2017	NACCO / OH	C / FP	DSC Philadelphia	Jan 2017	Sep 2017	10	27,977.00	Y		
2.26) 4,000 lb 1390 (W4001) Shipboard		2017	Wesley / GA	C / FP	DSC Philadelphia	Dec 2016	May 2017	11	116,003.00	Y		
2.27) 4,000 lb 1820 (W4001) Shipboard		2017	Wesley / GA	C / FP	DSC Philadelphia	Dec 2016	Jun 2017	10	93,021.00	Y		
2.34) 4,000 lb 1100 (W4003)		2017	Raymond / CA	C / FP	DSC Philadelphia	Nov 2016	Jun 2017	8	30,465.00	Y		
2.35) 7,500 lb 1110 (W4003)		2017	NACCO / OH	C / FP	DSC Philadelphia	Dec 2016	Aug 2017	6	37,222.00	Y		
2.38) 4,000 lb 1400 (W4005)		2017	NAACO / OH	C / FP	DSC Philadelphia	Nov 2016	Jul 2017	4	31,323.00	Y		
2.39) 4,000 lb 1600 (W4006)		2017	Wesley / GA	C / FP	DSC Philadelphia	Nov 2016	Jul 2017	3	11,331.00	Y		
2.41) 6,000 lb 1610 (W4006) Shipboard		2017	Wesley / GA	C / FP	DSC Philadelphia	Dec 2016	Jul 2017	7	31,737.00	Y		

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Exhibit P-5, Cost Analysis: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1	P-1 Line Item Number / Title: 7025 / Supply Equipment	Item Number / Title [DODIC]: 1 / Other Supply Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	0.000	0.000	4.574	0.000	4.574
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	0.000	0.000	0.000	4.574	0.000	4.574
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	0.000	0.000	4.574	0.000	4.574

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
Support - Other Program Cost																		
1.1) Navy Cash Program	-	-	0.000	-	-	0.000	-	-	0.000	-	-	4.506	-	-	0.000	-	-	4.506
1.2) Automatic Identification Technology (AIT)	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.068	-	-	0.000	-	-	0.068
<i>Subtotal: Support - Other Program Cost</i>	-	-	0.000	-	-	0.000	-	-	0.000	-	-	4.574	-	-	0.000	-	-	4.574
Gross/Weapon System Cost	-	-	0.000	-	-	0.000	-	-	0.000	-	-	4.574	-	-	0.000	-	-	4.574

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment	P-1 Line Item Number / Title: 7050 / Other Supply Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0708012N	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	14.003	6.674	10.469	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	31.146
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	14.003	6.674	10.469	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	31.146
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	14.003	6.674	10.469	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	31.146

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

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

Description:

Starting FY17, line items 7015 Materials Handling Equipment and 7050 Other Supply Support Equipment are being combined into line item 7025, Supply Equipment.

NAVY CASH PROGRAM: This program funds the procurement of the Navy Cash™ system. Navy Cash was developed to improve business processes, create workload efficiencies, and enhance the quality of life for Sailors and Marines on board ship. It enhances the efficiencies and security of automated pay delivery and safekeeping deposit provided by the ATMs-at-Sea system that Navy Cash replaced. Everyone on a ship receives a Navy Cash or Marine Cash card, a branded debit card that looks like a typical debit or check card. It utilizes a pre-paid debit model to provide for a cashless shipboard environment for all retail and other personal financial transactions and helps to reduce the workload for the Disbursing Office and retail locations throughout the ship. This affords more time for core functions and thereby increases readiness. It also improves shipboard business practices by automating and significantly reducing the handling of bills, coins, personal checks, and money orders, automating back-end financial processes and minimizing error-prone cash transactions while it reduces the workload associated with cash management and improves the efficiency and accuracy of fiscal accountability. This overall reduction in the need for cash decreases the costs associated with maintaining large amounts of cash in the safes of ships for the six or more months of deployment.

Navy Cash Installation Program:

- 2014 30 Installations (23 Small / 3 Med / 3 Large / 1 CVN) - Shown under P-1 Line Item 7050
- 2015 30 Installations (19 Small / 5 Med / 2 Large / 4 CVN) - Shown under P-1 Line Item 7050
- 2016 38 Installations (20 Small / 10 Med / 5 Large / 3 CVN) - Shown under P-1 Line Item 7050
- 2017 6 Installations (3 Small / 2 Med / 1 Large / 0 CVN)
- 2018 1 Installation (1 Small)
- 2019 1 Installation (1 Large)

AUTOMATIC IDENTIFICATION TECHNOLOGY (AIT): The Department of Defense (DoD) promulgated Radio Frequency Identification (RFID) Policy on 30 July 2004. Current DoD RFID policy focuses on In-Transit Visibility (ITV) support of the Combatant Commanders (COCOMs) as the primary application of active RFID, and DoD Supply Management applications for passive RFID. This effort will ensure Fleet and component commands have deployable active RFID capability to support contingencies and DoD/NAVY RFID policy. Navy has invested in and taken action to support implementation of 35 CONUS and OCONUS locations. These funds represent the Navy costs for the initial outfitting and life cycle costs to fully fund all currently identified COCOM ITV requirements. The Navy continues to coordinate with the Army's Product Director Automated Movement and Identification Solutions (PD-AMIS) for all aRFID and DOD AIT RF-ITV Contract installations, upgrades, hardware, software and infrastructure procurement requirements for

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment		P-1 Line Item Number / Title: 7050 / Other Supply Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0708012N	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Navy sites. Recently AIT aRFID Program Management support changed from the NAVSUP Global Logistics Support to the Weapons Systems Support Transportation and Distribution which provides a unique integration of logistics and analysis capability.</p> <p>ORDNANCE INFORMATION SYSTEM (OIS): Funding Ordnance Information System (OIS) program to complete conversation from Retail Ordnance Logistics Management System (ROLMS) with OIS Partial Connect installs for 75 ships including both USFF and CPF units. Funding ended in FY14.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment

P-1 Line Item Number / Title:
7050 / Other Supply Support Equipment

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** 0708012N **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Other Supply Support Equipment				- / 14.003	- / 6.674	- / 10.469	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				- / 14.003	- / 6.674	- / 10.469	- / 0.000	- / 0.000	- / 0.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

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Exhibit P-5, Cost Analysis: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1	P-1 Line Item Number / Title: 7050 / Other Supply Support Equipment	Item Number / Title [DODIC]: 1 / Other Supply Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	14.003	6.674	10.469	0.000	0.000	0.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	14.003	6.674	10.469	0.000	0.000	0.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	14.003	6.674	10.469	0.000	0.000	0.000

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
Support - Other Program Cost																		
1.1) Navy Cash Program	-	-	12.446	-	-	6.095	-	-	9.979	-	-	-	-	-	-	-	-	-
1.2) Automatic Identification Technology (AIT)	-	-	1.156	-	-	0.579	-	-	0.490	-	-	-	-	-	-	-	-	-
1.3) Ordnance Information System (OIS)	-	-	0.401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Other Program Cost</i>	-	-	14.003	-	-	6.674	-	-	10.469	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	14.003	-	-	6.674	-	-	10.469	-	-	0.000	-	-	0.000	-	-	0.000

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment	P-1 Line Item Number / Title: 7066 / First Destination Transportation
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
<i>Procurement Quantity (Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Gross/Weapon System Cost (\$ in Millions)</i>	24.986	5.724	5.720	5.115	0.025	5.140	5.555	5.660	5.764	5.936	Continuing	Continuing
<i>Less PY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Net Procurement (P-1) (\$ in Millions)</i>	24.986	5.724	5.720	5.115	0.025	5.140	5.555	5.660	5.764	5.936	Continuing	Continuing
<i>Plus CY Advance Procurement (\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	24.986	5.724	5.720	5.115	0.025	5.140	5.555	5.660	5.764	5.936	Continuing	Continuing

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

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

Description:

This program funds the procurement of First Destination Transportation services providing for the movement of newly procured equipment from the contractor's plant to the initial point of receipt by the government. Major using activities include ships, systems commands, and overseas support activities.

Prior to FY2014, all funds were allocated to and managed by Naval Supply Systems Command (NAVSUP). Starting in FY2014, funds have been decentralized for allocation, management and oversight by the following commands: Naval Air Systems Command (NAVAIR), Naval Supply Systems Command (NAVSUP), Naval Sea Systems Command (NAVSEA), Naval Facilities Engineering Command (NAVFAC), Strategic Systems Programs(SSP) and Space & Naval Warfare Systems Command (SPAWAR).

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment	P-1 Line Item Number / Title: 7066 / First Destination Transportation
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	First Destination Transportation				- / 24.986	- / 5.724	- / 5.720	- / 5.115	- / 0.025	- / 5.140
P-40	Total Gross/Weapon System Cost				- / 24.986	- / 5.724	- / 5.720	- / 5.115	- / 0.025	- / 5.140

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2017 decrease in First Destination Transportation OPN by \$0.216M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

The FY 2017 funding request was also reduced by \$0.058M to account for the availability of prior year execution balances.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1 **P-1 Line Item Number / Title:** 7066 / First Destination Transportation **Aggregated Items Title:** First Destination Transportation

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) First Destination Transportation																				
1.1) First Destination Transportation - NAVSUP	A		-	-	18.720	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) First Destination Transportation - Strategic Systems Programs (SSP)	A		-	-	0.230	-	-	0.174	-	-	0.175	-	-	0.114	-	-	-	-	-	0.114
1.3) First Destination Transportation - SPAWAR	A		-	-	0.905	-	-	0.906	-	-	0.915	-	-	0.714	-	-	-	-	-	0.714
1.4) First Destination Transportation - NAVFAC	A		-	-	1.346	-	-	0.962	-	-	0.972	-	-	0.899	-	-	0.025	-	-	0.924
1.5) First Destination Transportation - NAVAIR	A		-	-	0.673	-	-	0.566	-	-	0.513	-	-	0.475	-	-	-	-	-	0.475
1.6) First Destination Transportation - NAVSEA	A		-	-	3.112	-	-	3.116	-	-	3.145	-	-	2.913	-	-	-	-	-	2.913
Subtotal: 1) First Destination Transportation			-	-	24.986	-	-	5.724	-	-	5.720	-	-	5.115	-	-	0.025	-	-	5.140
Total			-	-	24.986	-	-	5.724	-	-	5.720	-	-	5.115	-	-	0.025	-	-	5.140

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment	P-1 Line Item Number / Title: 7069 / Special Purpose Supply Systems
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,224.244	69.098	211.714	295.471	0.000	295.471	487.644	660.650	850.300	897.301	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,224.244	69.098	211.714	295.471	0.000	295.471	487.644	660.650	850.300	897.301	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,224.244	69.098	211.714	295.471	0.000	295.471	487.644	660.650	850.300	897.301	Continuing	Continuing

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

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

Description:

The funding reported in this line item is classified and is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

[P40A / CLASSIFIED]: The Cost Element labeled "Classified" supports classified efforts. Details with respect to these efforts are reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment **P-1 Line Item Number / Title:** 7069 / Special Purpose Supply Systems

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Special Purpose Supply Systems				- / 3,224.244	- / 69.098	- / 211.714	- / 295.471	- / -	- / 295.471
P-40	Total Gross/Weapon System Cost				- / 3,224.244	- / 69.098	- / 211.714	- / 295.471	- / 0.000	- / 295.471

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1 **P-1 Line Item Number / Title:** 7069 / Special Purpose Supply Systems **Aggregated Items Title:** Special Purpose Supply Systems

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) Special Purpose Supply Systems																				
1) CLASSIFIED	A		-	-	3,224.244	-	-	69.098	-	-	211.714	-	-	295.471	-	-	-	-	-	295.471
Subtotal: 1) Special Purpose Supply Systems			-	-	3,224.244	-	-	69.098	-	-	211.714	-	-	295.471	-	-	-	-	-	295.471
Total			-	-	3,224.244	-	-	69.098	-	-	211.714	-	-	295.471	-	-	-	-	-	295.471

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices	P-1 Line Item Number / Title: 8081 / Training Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0204219N, 0204423N, 0804731N
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	57.375	22.871	7.468	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	87.714
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	57.375	22.871	7.468	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	87.714
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	57.375	22.871	7.468	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	87.714

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

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

Description:

Starting in FY17, funding is consolidated under LI 8101 Training and Education Equipment.

Fleet Simulators Support (PE 0204219N) / Naval Special Warfare Forces (PE 0204423N) / General Skill Training (PE 0804731N)

[P40A / TRAINING SUPPORT EQUIPMENT (FLTFORCOM - BSO 60)]: Funding provides for the training support equipment / systems used in support of and connected to the Navy Continuous Training Environment (NCTE) as well as all of the equipment / systems required to support the Fleet's Live, Virtual, and Constructive (LVC) training capability. The Fleet's LVC training capability includes all training systems, network equipment, IT equipment, communications equipment, C4I systems, and training devices used in the U.S. Navy.

[P40A / AA800 - LIFE CYCLE MANAGEMENT (NCTE)]: Navy Continuous Training Environment (NCTE): The NCTE is a distributed training architecture and network that interconnects eighty-three plus (83+) Navy, Joint and Coalition training sites. To maximize return on the training dollar, reduce overall operating expense, and support the global live, virtual, and constructive nature of the NCTE, the suite of equipment must be continuously maintained, upgraded and keep pace with mandated DISA and DoD requirements. Planned periodic replacement of hardware is essential to keep pace with technology upgrades, allow virtualization of the NCTE infrastructure, and end of life issues associated with existing equipment. The upgrades/spare parts are vital to the Fleet's LVC training capability used by the U.S. Navy and Joint Services to prepare for deployment.

[P40A / AA800 - BALLISTIC MISSILE DEFENSE (BMD)]: Ballistic Missile Defense (BMD) training equipment is required for the Navy to conduct BMD synthetic training events (BMDEX, Fleet Synthetic Training (FST) and FST at Sea) and shipboard qualification / certification events. The Navy has BMD-capable ships that must be adequately trained to meet operational BMD mission tasking to employ weapons systems, and to attain the BMD qualification required for deployment certification. TYCOMs, Numbered Fleet Commanders (NFC), and Afloat Training Groups (ATG) / Tactical Training Groups are responsible for the training, qualification, and certification of BMD ships and units. The integrated/advanced phase training and BMD qualification is a quarterly unit training requirement. This funds necessary equipment to support BMD training. The Fleet's LVC training capability funds the necessary equipment to support BMD training used by the U.S. Navy.

[P40A / AA800 - BMD FST AT SEA]: Ballistic Missile Defense (BMD) Fleet Synthetic Training (FST) at Sea: Funding required to provide the capability to conduct integrated Live, Virtual and Constructive (LVC) single or multi-ship exercises with ships at sea using the Navy Continuous Training Environment (NCTE). This capability will support BMD and Integrated Air Missile Defense (IAMD) mission area Fleet sustainment training and mission rehearsal in theater, allow ships to participate in COCOM/Navy Component Commander mandated BMD/IAMD exercises while pier-side or underway, as well as enhance BMD/

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8081 / Training Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0204219N, 0204423N, 0804731N
Line Item MDAP/MAIS Code: N/A		
<p>IAMD training objective accomplishment in current FRTP underway training events such as COMPTUEX and JTFEX. The NCTE and FST directly support Fleet training readiness and strike group and BMD platform deployment certifications. The Fleet's LVC training capability funds the necessary equipment to support BMD FST at Sea training used by the U.S. Navy.</p> <p>[P40A / AA800 - ANTI-ACCESS AREA DENIAL (A2AD)]: Anti-Access Area Denial (A2AD) capability: Funds required to provide the NCTE architecture the systems required to incorporate specific technologies, C4ISR stimulation capabilities to train Fleet units in Anti-Access Area Denial (A2AD) Tactics, Techniques and Procedures (TTPs). The Fleet's LVC training capability funds the necessary equipment to support A2AD training used by the U.S. Navy.</p> <p>[P40A / AA800 - COMMON DATA LINK (CDL)]: Common Data Link (CDL): Funds required to procure systems required to support CDL architecture to provide realistic adversary and own-force presentations that allows CDL platforms and operators to coordinate and operate in a realistic manner utilizing real-world systems and protocols. Advanced training capabilities will permit development and certification of operational proficiency in Surface Warfare (SUW), Anti-Submarine Warfare (ASW) and Electronic Warfare (EW). The capability transports images and full motion video and supports intelligence gathering and exploitation training objectives. The Fleet's LVC training capability funds the necessary equipment to support CDL training used by the U.S. Navy.</p> <p>[P40A / AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS]: Digital Radio Management System (DRMS) Wholeness: Funds required to provide expanded capacity, improved reliability, and increased RF spectrum to live voice communications in the Digital Radio Management System (DRMS) for Tactical Training Ranges (TTR) and NCTE. Provide a single FST communications system enabling realistic tactical communications across all warfare areas, classification levels, and releasable domains. The Fleet's LVC training capability funds the necessary equipment to support DRMS Wholeness training used by the U.S. Navy.</p> <p>[P40A / AA800 - NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA)]: Naval Integrated Fire Control - Counter Air (NIFC-CA): Funds required to meet the goal of Naval Integrated Fire Control - Counter Air (NIFC-CA) for Fleet Synthetic Training (FST) that includes a Cooperative Engagement Capability (CEC) training solution, shore side constructive CEC units, and low fidelity E-2D virtual distributed aircrew training systems. The capabilities will supplement and integrate existing platform-level program of record solutions and is complementary to NAVAIR and NAVSEA efforts to deliver From the Sea (FTS) training capabilities. The Fleet's LVC training capability funds the necessary equipment to support NIFC-CA training used by the U.S. Navy.</p> <p>[P40A / AA800 - NCTE DISA COMPLIANCE]: Navy Continuous Training Environment (NCTE) Defense Information Security Agency (DISA) Compliance: Funds the transition of the NCTE from Asynchronous Transfer Mode (ATM) to Internet Protocol (IP) technology, as mandated by DISA. Supports simulators/simulation use in the Basic-through-Integrated phases of the Fleet Response Training Plan (FRTP).</p> <p>[P40A / AA800 - AEGIS ASHORE FLEET TRAINING]: Aegis Ashore (AA) Fleet Training: Funding required for Fleet Training Instructor support and Navy Continuous Training Environment connectivity and technical support for Aegis Ashore CONUS-based trainer. Funding will support Phased Adaptive Approach for missile defense of Europe</p> <p>[P40A / AA800 - FDNF EUROPE FLEET TRAINING]: Forward Deployed Naval Forces (FDNF) Europe Fleet Training: Funding required for Fleet Training Instructor support and Navy Continuous Training Environment connectivity for Forward Deployed Naval forces in Europe. Provides technical support and operational assistance of the deployed NCTE node. Funding will support Phased Adaptive Approach for missile defense of Europe.</p> <p>[P40A / VBSS TRAINING CRAFT (NAVSEA - BSO 24)]: NAVAL SEA SYSTEMS COMMAND (BSO 24)</p> <p>[P40A / H0004 - VBSS TRAINING CRAFT (NAVSEA)]: Visit, Board, Search, and Seizure (VBSS) Training Craft: Provide operational commander a capability to conduct VBSS and Maritime Interception Operations (MIO) from an Afloat Staging Base in conjunction with an overwatch craft and other friendly forces. Service life is 7 years.</p> <p>[P40A / TRAINING SUPPORT EQUIPMENT(CHNAVPERS - BSO 22)]: CHIEF OF NAVAL PERSONNEL (BSO 22)</p> <p>[P40A / YP001 - BOATS (CHNAVPERS)]: Boats: Funds procurement of service craft and small boats through NAVSEA for training use. Planned procurements include: FY-13 - One 27FT Boston Whaler small boats used for EOD underwater training @ NAVSCOLEOD.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8081 / Training Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0204219N, 0204423N, 0804731N
Line Item MDAP/MAIS Code: N/A		
FY-14 - Two 7M RHIB small boats used for EOD underwater training @ NAVSCOLEOD.		
<p>[P40A / YP300 - GUARD TOWERS (CHNAVPERS - BSO 22)]: Guard Towers (Scenario Training Devices at both SERE East and SERE West locations): The Guard Towers used in support of delivering the resistance and escape phase of the training serves three separate functions. It is the command and control point for managing the training being conducted while the students are in the POW camp; it serves as the primary safety observation point for the training and is primary focal point for the POW camp scenario driven training. The tower is in poor condition and needs to be replaced.</p> <p>[P40A / YPYAV - AUDIO/VISUAL EQUIPMENT FOR JPME (CHNAVPERS - BSO 22)]: Naval War College (NWC) requires audio visual educational and research support equipment to complete P103 MILCON conversion of current Library and underground garage parking spaces of Hewitt Hall into a integrated learning commons for the Naval War College, CNO's Strategic Studies Group and Command Leadership School. This \$12M MILCON project is in direct response to the repeat accreditation findings by Chairman Joint Chiefs of Staff that NWC has inadequate spaces to support to student study and collaboration spaces. Additionally CNIC has previously documented inadequate NWC facilities space for its mission requirements. The project is also required because the library is considered a key mission deficit area, as cited by the CJCS during the last two accreditation Inspection. To complete the renovations, the P-103 requires \$376K of A/V capabilities to make the Library and Learning commons spaces usable as intended for the MILCON renovation. A modern higher education institution must support the use of the most current instructional and pedagogical tools and technology to deliver and support a 21st century curriculum for the proper development of 21st century leaders.</p> <p>[P40A / YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS (CHNAVPERS - BSO 22)]: Naval War College (NWC) requires audio visual educational and research support equipment to complete P103 MILCON conversion of current Library and underground garage parking spaces of Hewitt Hall into a integrated learning commons for the Naval War College, CNO's Strategic Studies Group and Command Leadership School. This \$12M MILCON project is in direct response to the repeat accreditation findings by Chairman Joint Chiefs of Staff that NWC has inadequate spaces to support to student study and collaboration spaces. Additionally CNIC has previously documented inadequate NWC facilities space for its mission requirements. The project is also required because the library is considered a key mission deficit area, as cited by the CJCS during the last two accreditation Inspection. To complete the renovations, the P-103 requires \$124K of A/V capabilities to make the Library and Learning commons spaces usable as intended for the MILCON renovation. A modern higher education institution must support the use of the most current instructional and pedagogical tools and technology to deliver and support a 21st century curriculum for the proper development of 21st century leaders.</p> <p>[P40A / YPYIP - NPS- INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE (CHNAVPERS - BSO 22)]: Upgrade Network, Telephone Switching and Education Delivery Systems to attain Internet Protocol version 6 (IPv6) compliance as mandated by OMB Memo to CIOs: Transition to IPv6 September 28, 2010 and DoD and DoN directives. This upgrade leverages BUPERS/Naval Post Graduate School's (NPS) lifecycle replacement schedule to meet the mandates. The current network electronics, telephone switch, and educational delivery systems have either reached or have exceeded end-of life in FY14. These devices will be IPv6 capable and allow implementation of the external facing compliance requirement as well as establishing the platform to fully implement IPv6 capability on the internal network for security, applications and web services.</p> <p>[P40A / YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)]: Virtual Desktop Infrastructure Initiative. The training enterprise is moving forward with implementing more efficient technologies to meet the training delivery mission via a virtual desktop infrastructure solution. The virtual desktop solution will be implemented over the next several years at each location in lieu of conducting the traditional one-for-one workstation refresh. The goals and benefits of VDI are to establish an agile, sustainable enterprise training delivery environment; standardize the processes, services and technology used to deliver training; improve the enterprise security posture; refresh outdated electronic classroom workstations and operating systems; and provide a solution that enables a streamlined, centralized IT workforce.</p> <p>[P40A / ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)]: NETC requires OPN funding in support of meeting the enterprise training delivery operations across the enterprise. Funds are utilized on virtual solutions that enable NETC to meet the DoD/DoN requirements of consolidating footprint while ensuring optimized performance of the desktops and servers in support of the Sailor 2025 and Ready, Relevant Learning.</p> <p>[P40A / YP010 - CONTINUITY OF OPERATIONS (COOP) (CHNAVPERS - BSO 22)]: Continuity of Operations (COOP): Existing IT infrastructure for training applications is insufficient to support the projected growth in content, users, and requirements for continuity of operations. Funds will be used to expand the capacity of servers, storage, and networks in addition to providing fail-over capability in the data center for storage of data and application code at an alternate site. These systems are vital to the operational readiness and effectiveness of education and training. Failure to make these investments could lead to immediate and sustained loss of mission effectiveness.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip /
BSA 1: Training Devices **P-1 Line Item Number / Title:**
8081 / Training Support Equipment

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0204219N, 0204423N, 0804731N

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Training Support Equipment	P-5a, P-21			- / 57.375	- / 22.871	- / 7.468	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 57.375	- / 22.871	- / 7.468	- / 0.000	- / 0.000	- / 0.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1 **P-1 Line Item Number / Title:** 8081 / Training Support Equipment **Aggregated Items Title:** Training Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
1) TRAINING SUPPORT EQUIPMENT (FLTFORCOM - BSO 60)																				
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE) ^(†)	A		1.935	4	7.739	2.380	1	2.380	1.081	1	1.081	-	-	-	-	-	-	-	-	-
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD) ^(†)	A		4.046	3	12.139	1.564	1	1.564	0.568	1	0.568	-	-	-	-	-	-	-	-	-
1.3) AA800 - BMD FST AT SEA ^(†)	A		0.050	1	0.050	0.100	1	0.100	0.198	1	0.198	-	-	-	-	-	-	-	-	-
1.4) AA800 - ANTI-ACCESS AREA DENIAL (A2AD) ^(†)	A		-	-	-	-	-	-	0.574	1	0.574	-	-	-	-	-	-	-	-	-
1.5) AA800 - COMMON DATA LINK (CDL) ^(†)	A		-	-	-	-	-	-	0.450	1	0.450	-	-	-	-	-	-	-	-	-
1.6) AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS ^(†)	A		-	-	-	0.825	1	0.825	1.115	1	1.115	-	-	-	-	-	-	-	-	-
1.7) AA800 - NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA) ^(†)	A		-	-	-	-	-	-	0.500	1	0.500	-	-	-	-	-	-	-	-	-
1.8) AA800 - NCTE DISA COMPLIANCE ^(†)	A		7.770	2	15.539	7.942	1	7.942	-	-	-	-	-	-	-	-	-	-	-	-
1.9) AA800 - AEGIS ASHORE FLEET TRAINING ^(†)	A		1.061	2	2.122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) AA800 - FDNF EUROPE FLEET TRAINING ^(†)	A		4.800	1	4.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) TRAINING SUPPORT EQUIPMENT (FLTFORCOM - BSO 60)			-	-	42.389	-	-	12.811	-	-	4.486	-	-	-	-	-	-	-	-	-
2) VBSS TRAINING CRAFT (NAVSEA - BSO 24)																				
2.1) H0004 - VBSS TRAINING CRAFT (NAVSEA) ^(†)	A		1.175	2	2.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) VBSS TRAINING CRAFT (NAVSEA - BSO 24)			-	-	2.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) TRAINING SUPPORT EQUIPMENT (CHNAVPERS - BSO 22)																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8081 / Training Support Equipment	Aggregated Items Title: Training Support Equipment
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
3.1) YP001 - BOATS (CHNAVPERS) ^(†)	A		0.302	5	1.510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) YP300 - GUARD TOWERS (CHNAVPERS - BSO 22) ^(†)	A		0.356	1	0.356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3) YPYAV - AUDIO/VISUAL EQUIPMENT FOR JPME (CHNAVPERS - BSO 22) ^(†)	A		-	-	-	0.376	1	0.376	-	-	-	-	-	-	-	-	-	-	-	
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS (CHNAVPERS - BSO 22) ^(†)	A		-	-	-	0.124	1	0.124	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) TRAINING SUPPORT EQUIPMENT(CHNAVPERS - BSO 22)			-	-	1.866	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	
4) YPYIP - NPS- INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE (CHNAVPERS - BSO 22)																				
4.1) PAN-PA-705-TP (THREAT PREVENTION SUBSCRIPTION) ^(†)	A		-	-	-	0.051	1	0.051	-	-	-	-	-	-	-	-	-	-	-	
4.2) PAN-SVC-PREM-7050-PA (PREMIUM SUPPORT) ^(†)	A		-	-	-	0.048	1	0.048	-	-	-	-	-	-	-	-	-	-	-	
4.3) IPV6 APPLIANCE ACQUISITION ^(†)	A		-	-	-	0.177	1	0.177	-	-	-	-	-	-	-	-	-	-	-	
4.4) VOIP DEPLOYMENT ^(†)	A		-	-	-	0.173	1	0.173	-	-	-	-	-	-	-	-	-	-	-	
4.5) PYTHON STUDENT INFO SYSTEM MAINTENANCE ^(†)	A		-	-	-	0.018	12	0.216	-	-	-	-	-	-	-	-	-	-	-	
4.6) PYTHON STUDENT INFO SYSTEM REWRITE ^(†)	A		-	-	-	0.108	12	1.296	-	-	-	-	-	-	-	-	-	-	-	
4.7) PAN-PA-7050-AC PALO ALTO NETWORKS PA ^(†)	A		-	-	-	0.106	1	0.106	-	-	-	-	-	-	-	-	-	-	-	
4.8) PAN-PA-7000-20G-	A		-	-	-	0.128	2	0.256	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1 **P-1 Line Item Number / Title:** 8081 / Training Support Equipment **Aggregated Items Title:** Training Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
NPC (NETWORK PROCESSING CARD) ^(†)																				
4.9) PAN-EDU-ONSITE PALO ALTO NETWORKS ^(†)	A		-	-	-	0.177	1	0.177	-	-	-	-	-	-	-	-	-	-	-	-
4.10) CENIC UPGRADE NETWORKS OPTRONICS ^(†)	A		-	-	-	0.500	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-
4.11) NETWORK REFRESH ^(†)	A		-	-	-	3.100	1	3.100	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) YPYIP - NPS- INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE (CHNAVPERS - BSO 22)			-	-	0.000	-	-	6.100	-	-	-	-	-	-	-	-	-	-	-	-
5) YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)																				
5.1) TRANET NETWORK (CISCO NETWORK SWITCHES/ ROUTERS) ^(†)	A		-	-	-	-	-	-	0.004	149	0.596	-	-	-	-	-	-	-	-	-
5.2) ECR VDI/ VIRTUAL SERVER SVCS IMPLEMENTATION (CISCO NETWORK SWITCHES) ^(†)	A		-	-	-	0.005	160	0.800	0.005	60	0.328	-	-	-	-	-	-	-	-	-
5.3) ECR VDI IMPLEMENTATION (ZERO CLIENT DEVICES) ^(†)	A		-	-	-	0.000	1,625	0.650	0.000	1,480	0.592	-	-	-	-	-	-	-	-	-
5.4) ECR VDI/ VIRTUAL SERVER SERVICES IMPLEMENTATION (SERVER HARDWARE) ^(†)	A		-	-	-	0.010	30	0.300	0.010	80	0.826	-	-	-	-	-	-	-	-	-
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ^(†)	A		-	-	-	0.020	80	1.600	0.008	80	0.640	-	-	-	-	-	-	-	-	-
5.6) ECR VDI IMPLEMENTATION (SERVER SOFTWARE) ^(†)	A		-	-	-	0.001	100	0.110	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1 **P-1 Line Item Number / Title:** 8081 / Training Support Equipment **Aggregated Items Title:** Training Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
5.7) VDI - STORAGE ENVIRONMENT ^(†)	A		0.680	1	0.680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.8) VDI - SERVER INFRASTRUCTURE ^(†)	A		0.752	1	0.752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.9) VDI - NETWORKING ENVIRONMENT ^(†)	A		0.109	1	0.109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.10) VDI - MICROSOFT ENVIRONMENT ^(†)	A		1.089	1	1.089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.11) VDI - VIRTUAL ENVIRONMENT ^(†)	A		1.602	1	1.602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.12) VDI - POWER SUPPLY ^(†)	A		0.038	1	0.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.13) VDI - ZERO CLIENTS ^(†)	A		1.412	1	1.412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5) YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)			-	-	5.682	-	-	3.460	-	-	2.982	-	-	-	-	-	-	-	-	
6) YP010 - CONTINUITY OF OPERATIONS (COOP) (CHNAVPERS - BSO 22)																				
6.1) COOP - ROUTER/SWITCH-1 ^(†)	A		0.009	245	2.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.2) COOP - ROUTER SWITCH-2 ^(†)	A		0.009	30	0.281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.3) COOP - ROUTER/SWITCH-3	A		0.009	45	0.422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.4) COOP - SAN NETWORK -1 ^(†)	A		0.009	96	0.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.5) COOP - SAN NETWORK-2 ^(†)	A		0.009	30	0.281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.6) COOP - TACLane ^(†)	A		0.015	19	0.276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.7) COOP - STORAGE ^(†)	A		0.020	25	0.508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.8) COOP - SOFTWARE ^(†)	A		0.019	3	0.057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.9) COOP - NETWORKING INFRASTRUCTURE EQUIPMENT ^(†)	A		0.001	66	0.067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8081 / Training Support Equipment	Aggregated Items Title: Training Support Equipment
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
<i>Subtotal: 6) YP010 - CONTINUITY OF OPERATIONS (COOP) (CHNAVPERS - BSO 22)</i>			-	-	5.088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	57.375	-	-	22.871	-	-	7.468	-	-	-	-	-	-	-	-	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.
 (†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy										Date: November 2016		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1				P-1 Line Item Number / Title: 8081 / Training Support Equipment				Aggregated Items: Training Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) TRAINING SUPPORT EQUIPMENT (FLTFORCOM - BSO 60)												
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Nov 2012	Jan 2013	1	2.809	N	Jan 2013	
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Sep 2014	Nov 2014	1	2.497	N	Jan 2015	
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2014	Mar 2015	1	2.380	N	May 2015	
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2015	Dec 2015	1	1.081	N	Jan 2016	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2012	Feb 2013	1	1.696	N	Feb 2013	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Jun 2014	Aug 2014	1	1.802	N	Oct 2014	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2014	Feb 2015	1	1.564	N	Mar 2015	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2015	Dec 2015	1	0.568	N	Jan 2016	
1.3) AA800 - BMD FST AT SEA		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Jan 2014	Mar 2014	1	0.050	N	Mar 2014	
1.3) AA800 - BMD FST AT SEA		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2014	Dec 2014	1	0.100	N	Jan 2015	
1.3) AA800 - BMD FST AT SEA		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2015	Dec 2015	1	0.198	N	Jan 2016	
1.4) AA800 - ANTI-ACCESS AREA DENIAL (A2AD)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Mar 2016	Mar 2016	1	0.574	N	Apr 2016	
1.5) AA800 - COMMON DATA LINK (CDL)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Mar 2016	Mar 2016	1	0.450	N	Apr 2016	
1.6) AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Sep 2015	Sep 2015	1	0.825	N	Sep 2015	
1.6) AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Mar 2016	Mar 2016	1	1.115	N	Apr 2016	
1.7) AA800 - NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Mar 2016	Mar 2016	1	0.500	N	Apr 2016	
1.8) AA800 - NCTE DISA COMPLIANCE		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Apr 2013	Jun 2013	1	7.615	N	Jun 2013	
1.8) AA800 - NCTE DISA COMPLIANCE		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2013	Oct 2014	1	7.924	N	Jan 2014	

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity:			P-1 Line Item Number / Title:					Aggregated Items:				
1810N / 07 / 1			8081 / Training Support Equipment					Training Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.8) AA800 - NCTE DISA COMPLIANCE		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2014	Sep 2015	1	7.942	N	Jan 2015	
1.9) AA800 - AEGIS ASHORE FLEET TRAINING		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Apr 2013	Jun 2013	1	0.322	N	Jul 2013	
1.9) AA800 - AEGIS ASHORE FLEET TRAINING		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Jan 2014	Mar 2014	1	1.800	N	Apr 2014	
1.10) AA800 - FDNF EUROPE FLEET TRAINING		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Nov 2012	Jan 2013	1	4.800	N	Feb 2013	
2) VBSS TRAINING CRAFT (NAVSEA - BSO 24)												
2.1) H0004 - VBSS TRAINING CRAFT (NAVSEA)		2014	USMI / Gulport, MS	C / FFP	NAVSEA	Aug 2014	Sep 2015	2	1.175	N	Aug 2014	
3) TRAINING SUPPORT EQUIPMENT(CHNAVPERS - BSO 22)												
3.1) YP001 - BOATS (CHNAVPERS)		2013	NAVSEA / Washington, DC	C / FFP	NAVSEA Washington DC	Feb 2013	Dec 2013	2	0.312	Y		Feb 2013
3.1) YP001 - BOATS (CHNAVPERS)		2014	NAVSEA / Washington, DC	C / FFP	NAVSEA	Nov 2014	May 2015	1	0.422	Y		Nov 2014
3.2) YP300 - GUARD TOWERS (CHNAVPERS - BSO 22)		2013	NSWC / NSWC	C / FP	NSWC	Jul 2013	Sep 2013	1	0.356	Y		Jun 2013
3.3) YPYAV - AUDIO/VISUAL EQUIPMENT FOR JPME (CHNAVPERS - BSO 22)		2015 ⁽¹⁾	Unknown / Unknown	C / FFP	NAVSTA Newport	Mar 2015	Mar 2015	1	0.376	N	Dec 2014	
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS (CHNAVPERS - BSO 22) ^(f)		2015	TBD / New MFG - Loc	C / FFP	NAVSTA Newport	Sep 2015	Sep 2015	1	0.124	N	Oct 2015	
4) YPIIP - NPS- INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE (CHNAVPERS - BSO 22)												
4.1) PAN-PA-705-TP (THREAT PREVENTION SUBSCRIPTION)		2015	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	0.051	N	Dec 2015	
4.2) PAN-SVC-PREM-7050-PA (PREMIUM SUPPORT)		2015	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	0.048	N	Dec 2015	
4.3) IPV6 APPLIANCE ACQUISITION		2015	TBD / UNKNOWN	C / TBD	** NO PCO **	Mar 2016	Mar 2016	1	0.177	N	Apr 2016	
4.4) VOIP DEPLOYMENT		2015	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	0.173	N	Oct 2015	
4.5) PYTHON STUDENT INFO SYSTEM MAINTENANCE		2015 ⁽²⁾	Unknown / Unknown	C / TBD	TBD	Oct 2015	Oct 2015	12	0.018	N	Dec 2015	
4.6) PYTHON STUDENT INFO SYSTEM REWRITE		2015 ⁽³⁾	Unknown / Unknown	TBD	TBD	Oct 2015	Oct 2015	12	0.108	N	Dec 2015	
4.7) PAN-PA-7050-AC PALO ALTO NETWORKS PA		2015 ⁽⁴⁾	Unknown / Unknown	TBD	TBD	Oct 2015	Oct 2015	1	0.106	N		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8081 / Training Support Equipment	Aggregated Items: Training Support Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.8) PAN-PA-7000-20G-NPC (NETWORK PROCESSING CARD)		2015	Unknown / Unknown	C / TBD	TBD	Oct 2015	Oct 2015	2	0.128	N	Dec 2015	
4.9) PAN-EDU-ONSITE PALO ALTO NETWORKS		2015 ⁽⁵⁾	Unknown / Unknown	C / TBD	TBD	Oct 2015	Oct 2015	1	0.177	N	Dec 2015	
4.10) CENIC UPGRADE NETWORKS OPTRONICS		2015 ⁽⁶⁾	Unknown / Unknown	C / TBD	TBD	Oct 2015	Oct 2015	1	0.500	N	Dec 2015	
4.11) NETWORK REFRESH		2015 ⁽⁷⁾	Unknown / Unknown	C / TBD	TBD	Oct 2015	Oct 2015	1	3.100	N	Dec 1015	

5) YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)

5.1) TRANET NETWORK (CISCO NETWORK SWITCHES/ ROUTERS)		2016	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDC	Jul 2016	Jul 2016	149	0.004	N	Jul 2016	
5.2) ECR VDI/VIRTUAL SERVER SVCS IMPLEMENTATION (CISCO NETWORK SWITCHES)		2015	World Wide Technology Inc / Maryland Heights, MO	C / FP	** NO PCO **	Jul 2015	Jul 2015	160	0.005	Y		
5.2) ECR VDI/VIRTUAL SERVER SVCS IMPLEMENTATION (CISCO NETWORK SWITCHES)		2016	World Wide Technology Inc / Maryland Heights, MO	C / FP	** NO PCO **	Jul 2016	Jul 2016	60	0.005	N	Jul 2016	
5.3) ECR VDI IMPLEMENTATION (ZERO CLIENT DEVICES)		2015 ⁽⁸⁾	Dell Federal Systems / Round Rock, TX	C / FP	NETPDC	Jul 2015	Jul 2015	1,625	0.000	Y		
5.3) ECR VDI IMPLEMENTATION (ZERO CLIENT DEVICES)		2016 ⁽⁹⁾	Dell Federal Systems / Round Rock, TX	C / FP	NETPDC	Jul 2016	Jul 2016	1,480	0.000	Y		
5.4) ECR VDI/VIRTUAL SERVER SERVICES IMPLEMENTATION (SERVER HARDWARE)		2015	Dell Federal Systems / Round Rock, TX	C / FP	** NO PCO **	Jul 2015	Jul 2015	30	0.010	Y		
5.4) ECR VDI/VIRTUAL SERVER SERVICES IMPLEMENTATION (SERVER HARDWARE)		2016	Dell Federal Systems / Round Rock, TX	C / FP	** NO PCO **	Jul 2016	Jul 2016	80	0.010	N	Jul 2016	
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ^(†)		2015	TBD / TBD	C / FP	NETPDC	Jul 2015	Jan 2016	80	0.020	Y		Dec 2014
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ^(†)		2016	TBD / TBD	C / FP	** NO PCO **	Jul 2016	Jul 2016	80	0.008	N	Jul 2016	
5.6) ECR VDI IMPLEMENTATION (SERVER SOFTWARE)		2015	Insight Public Sector ⁽¹⁰⁾ / Tempe, AZ	C / FP	NETPDC	Jul 2015	Jul 2015	100	0.001	Y		
5.7) VDI - STORAGE ENVIRONMENT		2014	EMC / Hopkinton, MA	C / FP	NETPDC	Nov 2013	Feb 2014	1	0.680	Y		Oct 2013
5.8) VDI - SERVER INFRASTRUCTURE		2014	Dell Federal Systems / Round Rock, TX	C / FP	NETPDC	Oct 2013	Feb 2014	1	0.752	Y		Oct 2013
5.9) VDI - NETWORKING ENVIRONMENT		2014	CISCO / San Jose, CA	C / FP	NETPDC	Nov 2013	Feb 2014	1	0.109	Y		Oct 2013

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8081 / Training Support Equipment	Aggregated Items: Training Support Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.10) VDI - MICROSOFT ENVIRONMENT		2014	Microsoft / Redmond, WA	C / FP	NETPDTC	Nov 2013	Feb 2014	1	1.089	Y		Oct 2013
5.11) VDI - VIRTUAL ENVIRONMENT		2014	VMWARE / Palo Alto, CA	C / FP	NETPDTC	Nov 2013	Feb 2014	1	1.602	Y		Oct 2013
5.12) VDI - POWER SUPPLY		2014	APC / Kingston, RI	C / FP	NETPDTC	Nov 2013	Feb 2014	1	0.038	Y		Oct 2013
5.13) VDI - ZERO CLIENTS		2014	Dell Wyse / San Jose, CA	C / FP	NETPDTC	Nov 2013	Feb 2014	1	1.412	Y		Oct 2013
6) YP010 - CONTINUITY OF OPERATIONS (COOP) (CHNAVPERS - BSO 22)												
6.1) COOP - ROUTER/SWITCH-1		2013	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDTC	Jul 2013	Aug 2015	245	0.009	Y		Jul 2013
6.2) COOP - ROUTER SWITCH-2		2013	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDTC	Aug 2013	Sep 2015	30	0.009	Y		Aug 2013
6.4) COOP - SAN NETWORK -1		2013	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDTC	May 2013	Jun 2013	96	0.009	Y		May 2013
6.5) COOP - SAN NETWORK-2		2013	Intelligent Decisions / Ashburn, VA	C / FP	NETPDTC	Sep 2013	Oct 2015	30	0.009	Y		Sep 2013
6.6) COOP - TACLane		2013	General Dynamics, AIS / Needham, Ma	C / FP	NETPDTC	Oct 2013	Nov 2015	19	0.015	Y		Oct 2013
6.7) COOP - STORAGE		2013	EMC / Hopkinton, MA	C / FP	NETPDTC	Nov 2013	Dec 2015	25	0.020	Y		Nov 2013
6.8) COOP - SOFTWARE		2013	Softchoice Corporation / Chicago, IL	C / FP	NETPDTC	May 2013	May 2013	3	0.019	Y		May 2013
6.9) COOP - NETWORKING INFRASTRUCTURE EQUIPMENT		2013	Intelligent Decisions / Ashburn, VA	C / FP	NETPDTC	Jun 2013	Jul 2014	66	0.001	Y		Jun 2013

(†) indicates the presence of a P-21

Footnotes:

- (1) Contractor Name: HV Collins Co, Inc, Providence, RI
- (2) Contractor and Location pending contractual award.
- (3) Contractor and Location pending contractual award.
- (4) Contractor and Location pending contractual award.
- (5) Contractor and Location pending contractual award.
- (6) Contractor and Location pending contractual award.
- (7) Contractor and Location pending contractual award.
- (8) Dell- Round Rock, TX (expected)
- (9) Dell- Round Rock, TX (expected)
- (10) (expected)

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Exhibit P-21, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8081 / Training Support Equipment	Aggregated Items: Training Support Equipment
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Items <i>(Units in Each)</i>						Fiscal Year 2013												Fiscal Year 2014												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	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
3) TRAINING SUPPORT EQUIPMENT(CHNAVPERS - BSO 22)																															
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS (CHNAVPERS - BSO 22)																															
1		2015	NAVY	1		0	1																							1	
5) YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)																															
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)																															
2		2015	NAVY	80		0	80																							80	
2		2016	NAVY	80		0	80																							80	
								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, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1 **P-1 Line Item Number / Title:** 8081 / Training Support Equipment **Aggregated Items:** Training Support Equipment

Items <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												
							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
3) TRAINING SUPPORT EQUIPMENT(CHNAVPERS - BSO 22)																															
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS (CHNAVPERS - BSO 22)																															
1		2015	NAVY	1	0	1																								A1	
5) YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)																															
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)																															
2		2015	NAVY	80	0	80																								A - - - - - 80	
2		2016	NAVY	80	0	80																								A80	
							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, Production Schedule: PB Amended 2017 Navy	Date: November 2016
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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8081 / Training Support Equipment	Aggregated Items: Training Support Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	TBD - New MFG - Loc				0	0	0	0	0	0	0	0	0
2	TBD - TBD				0	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices	P-1 Line Item Number / Title: 8101 / Training and Education Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	11.188	0.000	0.000	9.504	0.000	9.504	16.945	14.748	13.365	13.633	-	79.383
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	11.188	0.000	0.000	9.504	0.000	9.504	16.945	14.748	13.365	13.633	-	79.383
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.188	0.000	0.000	9.504	0.000	9.504	16.945	14.748	13.365	13.633	-	79.383

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

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

Description:

Note: Efforts within this budget line were consolidated from LI's 8081 and 8108 in FY16 and prior.

[P40A / TRAINING SUPPORT EQUIPMENT (FLTFORCOM - BSO 60)]: Funding provides for the training support equipment / systems used in support of and connected to the Navy Continuous Training Environment (NCTE) as well as all of the equipment / systems required to support the Fleet's Live, Virtual, and Constructive (LVC) training capability. The Fleet's LVC training capability includes all training systems, network equipment, IT equipment, communications equipment, C4I systems, and training devices used in the U.S. Navy.

[P40A / AA800 - LIFE CYCLE MANAGEMENT (NCTE)]: (FLTFORCOM - BSO 60) Funding will support Enterprise Network refresh. The Navy Continuous Training Environment (NCTE) is a distributed training architecture and network that interconnects eighty-three plus (83+) Navy, Joint and Coalition training sites. To maximize return on the training dollar, reduce overall operating expense, and support the global live, virtual, and constructive nature of the NCTE, the suite of equipment must be continuously maintained, upgraded and keep pace with mandated DISA and DoD requirements. Planned periodic replacement of hardware is essential to keep pace with technology upgrades, allow virtualization of the NCTE infrastructure, and end of life issues associated with existing equipment. The upgrades/spare parts are vital to the Fleet's LVC training capability used by the U.S. Navy and Joint Services to prepare for deployment.

[P40A / AA800 - BALLISTIC MISSILE DEFENSE (BMD)]: (FLTFORCOM - BSO 60) Procurement and site upgrades scheduled to begin in FY17. Ballistic Missile Defense (BMD) training equipment is required for the Navy to conduct BMD synthetic training events (BMDEX, Fleet Synthetic Training (FST) and FST at Sea) and shipboard qualification / certification events. The Navy has BMD-capable ships that must be adequately trained to meet operational BMD mission tasking to employ weapons systems, and to attain the BMD qualification required for deployment certification. TYCOMs, Numbered Fleet Commanders (NFC), and Afloat Training Groups (ATG) / Tactical Training Groups are responsible for the training, qualification, and certification of BMD ships and units. The integrated/advanced phase training and BMD qualification is a quarterly unit training requirement. The Fleet's LVC training capability funds the necessary equipment to support BMD training used by the U.S. Navy.

[P40A / AA800 - BMD FST AT SEA]: (FLTFORCOM - BSO 60) Ballistic Missile Defense (BMD) Fleet Synthetic Training (FST) at Sea: Funding required to provide the capability to conduct integrated Live, Virtual and Constructive (LVC) single or multi-ship exercises with ships at sea using the Navy Continuous Training Environment (NCTE). This capability will support BMD and Integrated Air Missile Defense (IAMD) mission area Fleet sustainment training and mission rehearsal in theater, allow ships to participate in COCOM/Navy Component Commander mandated BMD/IAMD exercises while pierside or underway, as well as enhance BMD/IAMD training objective accomplishment in current FRTP underway training events such as COMPTUEX and JTFEX. The NCTE and FST directly support Fleet training readiness and strike group and BMD platform deployment certifications. The Fleet's LVC training capability funds the necessary equipment to support BMD FST at Sea training used by the U.S. Navy.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8101 / Training and Education Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>[P40A / AA800 - ANTI-ACCESS AREA DENIAL (A2AD)]: (FLTFORCOM - BSO 60) Anti-Access Area Denial (A2AD) Capability provide the NCTE architecture the systems required to incorporate specific technologies, C4ISR stimulation capabilities to train Fleet units in Anti-Access Area Denial (A2AD) Tactics, Techniques and Procedures (TTPs). The Fleet's LVC training capability funds the necessary equipment to support A2AD training used by the U.S. Navy.</p> <p>[P40A / AA800 - COMMON DATA LINK (CDL)]: (FLTFORCOM - BSO 60) Common Data Link (CDL) systems required to support CDL architecture to provide realistic adversary and own-force presentations that allows CDL platforms and operators to coordinate and operate in a realistic manner utilizing real-world systems and protocols. Advanced training capabilities will permit development and certification of operational proficiency in Surface Warfare (SUW), Anti-Submarine Warfare (ASW) and Electronic Warfare (EW). The capability transports images and full motion video and supports intelligence gathering and exploitation training objectives. The Fleet's LVC training capability funds the necessary equipment to support CDL training used by the U.S. Navy.</p> <p>[P40A / AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS]: (FLTFORCOM - BSO 60) Digital Radio Management System (DRMS) Wholeness provides expanded capacity, improved reliability, and increased RF spectrum to live voice communications in the Digital Radio Management System (DRMS) for Tactical Training Ranges (TTR) and NCTE. Provide a single FST communications system enabling realistic tactical communications across all warfare areas, classification levels, and releasable domains. The Fleet's LVC training capability funds the necessary equipment to support DRMS Wholeness training used by the U.S. Navy.</p> <p>[P40A / AA800 - NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA)]: (FLTFORCOM - BSO 60) Naval Integrated Fire Control - Counter Air (NIFC-CA) is required for Fleet Synthetic Training (FST) that includes a Cooperative Engagement Capability (CEC) training solution, shore side constructive CEC units, and low fidelity E-2D virtual distributed aircrew training systems. The capabilities will supplement and integrate existing platform-level program of record solutions and is complementary to NAVAIR and NAVSEA efforts to deliver From the Sea (FTS) training capabilities. The Fleet's LVC training capability funds the necessary equipment to support NIFC-CA training used by the U.S. Navy.</p> <p>~~~~~</p> <p>[P40A / TRAINING SUPPORT EQUIPMENT(CHNAVPERS - BSO 22)]: CHIEF OF NAVAL PERSONNEL (BSO 22)</p> <p>[P40A / YP300 - FIRE ARMS TRAINING SIMULATOR (FATS) (CHNAVPERS - BSO 22)]: Fire Arms Training Simulator (FATS) Equipment: Funds technology upgrades for FATS weapons simulators used by CENSECFOR. Required upgrades include the "blue fire" un-tethered weapon systems. These un-tethered weapons systems and scenarios place the students into the action and afford them the ability to freely maneuver and handle the weapons. These simulators allow for repetitive training and learning of the movements without the cost of ammunition or the wear and tear on weapons and ranges.</p> <p>[P40A / YPYIP - INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE (CHNAVPERS - BSO 22)]: Upgrade Network, Telephone Switching and Education Delivery Systems to attain Internet Protocol version 6 (IPv6) compliance as mandated by OMB Memo to CIOs: Transition to IPv6 September 28, 2010 and DoD and DoN directives. This upgrade leverages BUPERS/Naval Post Graduate School's (NPS) lifecycle replacement schedule to meet the mandates. The current network electronics, telephone switch, and educational delivery systems have either reached or have exceeded end-of life in FY14. These devices will be IPv6 capable and allow implementation of the external facing compliance requirement as well as establishing the platform to fully implement IPv6 capability on the internal network for security, applications and web services.</p> <p>[P40A / YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)]: Virtual Desktop Infrastructure Initiative. The training enterprise is moving forward with implementing more efficient technologies to meet the training delivery mission via a virtual desktop infrastructure solution. The virtual desktop solution will be implemented over the next several years at each location in lieu of conducting the traditional one-for-one workstation refresh. The goals and benefits of VDI are to establish an agile, sustainable enterprise training delivery environment; standardize the processes, services and technology used to deliver training; improve the enterprise security posture; refresh outdated electronic classroom workstations and operating systems; and provide a solution that enables a streamlined, centralized IT workforce.</p> <p>[P40A / TRAINING DELIVERY SYSTEMS]: NETC requires OPN funding in support of meeting the enterprise training delivery operations across the enterprise. Funds are utilized on virtual solutions that enable NETC to meet the DoD/DoN requirements of consolidating footprint while ensuring optimized performance of the desktops and servers in support of the Sailor 2025 and Ready, Relevant Learning.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8101 / Training and Education Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>[P40A / YP010 - CONTINUITY OF OPERATIONS (COOP) (CHNAVPERS - BSO 22)]: Continuity of Operations (COOP): Existing IT infrastructure for training applications is insufficient to support the projected growth in content, users, and requirements for continuity of operations. Funds will be used to expand the capacity of servers, storage, and networks in addition to providing fail-over capability in the data center for storage of data and application code at an alternate site. These systems are vital to the operational readiness and effectiveness of education and training. Failure to make these investments could lead to immediate and sustained loss of mission effectiveness.</p> <p>[P40A - 2 / D. LAN Room Video Surveillance]: Provides for management and protection of the Academy's numerous distributed local area network equipment spaces. The system will provide cameras for real-time and recorded playback of critical infrastructure locations to ensure a safe and secure enterprise computing environment.</p> <p>[P40A - 2 / F. Backup System Replacement]: Provides for IT hardware and software to replace obsolete tape library. The proposed replacement system will facilitate faster and more reliable backup of enterprise data using current technologies.</p> <p>[P40A - 2 / I. Library Circulation System Replacement]: Provides upgrades to the existing library circulation, inventory and security system. Provides more efficient use of staff time by permitting simultaneous processing of materials and automatically update system records without need for repeat data entry errors. Replaces existing, obsolete, manual barcode system with industry-standard, distributed solution typically found in facilities of this type.</p> <p>[P40A - 2 / J. Virtual Desktop Infrastructure]: Provides lifecycle replacement of outdated electronic classroom workstations and operating systems by standardizing content delivery through central hosting to reduce operating costs and information assurance risks.</p> <p>[P40A - 2 / K. Advanced Computing Cluster Replacement]: Provides replacement of high-end computer cluster for midshipmen and faculty computational requirements in science and technology disciplines. Applications supported include flow visualization, computer-aided design and computational fluid dynamics. The server also provides central file back-up, software and communication services for numerous laboratories, classrooms and courses. The computer will replace a device for which incremental upgrades will no longer be feasible due to intervening technological advancements.</p> <p>[P40A - 2 / N. Bridge Simulator Upgrade]: Provides life-cycle upgrades to extend the useful life of two existing full-mission bridge simulator devices used for watchstanding training and qualification of midshipmen. It is also used for demonstrations of ship handling and navigation learning points not otherwise possible to convey through existing underway laboratories (i.e. Yard Patrol Craft).</p> <p>[P40A - 2 / O. Articulated Hub & Rotor Blade Assembly]: Provides for end-of-life replacement of wavemaker acquired in FY 1978. The existing wavemaker is unable to produce the quality of waves required for academic instruction and research. The replacement wavemaker will reduce the need for unplanned emergency repairs which jeopardize ongoing operations.</p> <p>[P40A - 2 / P. Chromatography Replacement]: Provides physical apparatus for chemistry laboratory study of spectral series. This capability will permit measurement and demonstration of chemical processes at the visible spectrum level critical to understanding of naval and other technologies.</p> <p>[P40A - 2 / Q. Pelletron Accelerator Replacement]: Replaces an existing Pelletron Accelerator and associated support equipment acquired in FY 1988. The device permits study and experimentation in the area of nuclear physics.</p> <p>[P40A - 2 / R. Microfabrication Facility]: Provides capability to educate midshipmen in micro-fabrication technology through photolithography and with other techniques. Equipment would be used to demonstrate metal deposition and surface micro-machining techniques, along with alignment and ultraviolet exposure of coated wafers for bulk silicon etching through wafer masking. These capabilities are the foundation for semi-conductor, nana-system, and micro scale heat transfer topics in various engineering courses. This will keep the academic curriculum current by providing an operational capability that allows midshipmen to conduct hands-on experiments in areas increasingly important to national defense.</p> <p>[P40A - 2 / S. Voice Switch Upgrades]: Provides for IT hardware and software to achieve IPv6 capability for mission execution and continuity. The proposed replacement system will meet the Navy's transition goal of maintaining technological currency.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8101 / Training and Education Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>[P40A - 2 / T. Mission System Host Platform]: Provides for replacement of IT hardware hosting information system applications meeting specific USNA requirements in academic, administrative, athletic, and professional areas.</p> <p>[P40A - 2 / U. Coastal Engineering Tank Wavemaker Replacement]: Provides for end-of-life replacement of wavemaker acquired in fiscal year 1978. The existing wavemaker is unable to produce the quality of waves required for academic instruction and research. The replacement wavemaker will reduce the need for unplanned emergency repairs which jeopardize ongoing operations.</p> <p>[P40A - 2 / V. Auditorium Sound System Replacement]: Provides for lifecycle replacement of FY 2009 speaker cluster and sound system in heavily-used, multifunctional presentation and performance facility. Delivers modern audio capabilities to meet diverse range of educational, professional, and athletic events hosted in the multi-purpose Alumni Hall facility. The system provides capability of multi-directional sound propagation allowing audience members increased fidelity and comprehension of audio components.</p> <p>[P40A - 2 / W. Microscale Thermal Transport Replacement]: Provides for replacement of physical apparatus for propulsion laboratory study of nano-technology based heat transfer and thermal sciences acquired FY 2010. This capability permits measurement and demonstration of electromagnetic (thermal) processes at the nano-technology level critical to naval propulsion technology.</p> <p>[P40A - 2 / X. Enterprise Network Upgrades]: Permits modular, phased upgrade, replacement, and modernization of the Academy's enterprise computing network to maintain currency with changing industry standards and user demands. Provides for replacement of aging switches and routers used to direct data communication traffic across fiber optic cables to various places throughout the enterprise.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices

P-1 Line Item Number / Title:
8101 / Training and Education Equipment

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Training Support Equipment				- / 11.188	- / -	- / -	- / 7.902	- / -	- / 7.902
P-40a	Education Support Equipment	P-5a			- / 0.000	- / -	- / -	- / 1.602	- / -	- / 1.602
P-40	Total Gross/Weapon System Cost				- / 11.188	- / 0.000	- / 0.000	- / 9.504	- / 0.000	- / 9.504

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
The increase in efforts 1.1 (Life Cycle Management (NCTE)) and 1.2 (Ballistic Missile Defense) is for planned BMD OPN life cycle refresh items to include: gateway managers (\$1.8M), Link analyzers (\$1.5M), as well as life cycle management costs to sustain the BMD NCTE Tier 3 nodes at MDST, AEGIS Ashore Trainer, FDNF Rota, and AEGIS Ashore HN1 (\$0.45M). These BMD upgrades will provide training capability, enabling readiness sustainment of Navy elements for the President's Phased Adaptive Approach for ballistic missile defense of Europe.

FY 2017 decrease in Training and Education Equipment OPN by \$0.399M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

The FY 2017 funding request was also reduced by \$4.087M to account for the availability of prior year execution balances.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1 **P-1 Line Item Number / Title:** 8101 / Training and Education Equipment **Aggregated Items Title:** Training Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) TRAINING SUPPORT EQUIPMENT (FLTFORCOM - BSO 60)																				
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)	A		-	-	-	-	-	-	-	-	1,465K	1	1.465	-	-	-	1,465K	1	1.465	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)	A		-	-	-	-	-	-	-	-	3,373K	1	3.373	-	-	-	3,373K	1	3.373	
1.3) AA800 - BMD FST AT SEA	A		-	-	-	-	-	-	-	-	208,000.00	1	0.208	-	-	-	208,000.00	1	0.208	
1.4) AA800 - ANTI-ACCESS AREA DENIAL (A2AD)	A		-	-	-	-	-	-	-	-	389,000.00	1	0.389	-	-	-	389,000.00	1	0.389	
1.5) AA800 - COMMON DATA LINK (CDL)	A		-	-	-	-	-	-	-	-	324,000.00	1	0.324	-	-	-	324,000.00	1	0.324	
1.6) AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS	A		-	-	-	-	-	-	-	-	1,327K	1	1.327	-	-	-	1,327K	1	1.327	
1.7) AA800 - NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA)	A		-	-	-	-	-	-	-	-	284,000.00	1	0.284	-	-	-	284,000.00	1	0.284	
Subtotal: 1) TRAINING SUPPORT EQUIPMENT (FLTFORCOM - BSO 60)			-	-	0.000	-	-	-	-	-	-	-	7.370	-	-	-	-	-	7.370	
3) YPYIP - INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE (CHNAVPERS - BSO 22)																				
3.1) NETWORK END-NODE DISTRIBUTION SWITCHES	A		-	-	1.987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) NETWORK BUILDING DISTRIBUTION SWITCHES	A		-	-	0.850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3) NETWORK CORE DISTRIBUTION SWITCHES	A		-	-	0.189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.4) NETWORK MONITORING APPLIANCES	A		-	-	0.308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.5) NETWORK WIRELESS DISTRIBUTION ACCESS POINTS	A		-	-	0.566	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1 **P-1 Line Item Number / Title:** 8101 / Training and Education Equipment **Aggregated Items Title:** Training Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
3.6) NETWORK - IT APPLICATION DEVELOPMENT	A		-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7) NETWORK END-NODE DISTRIBUTION SWITCHES - SYSTEMS	A		-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.8) IT APPLICATION DEVELOPMENT	A		-	-	1.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) YPIP - INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE (CHNAVPERS - BSO 22)			-	-	6.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)																				
4.2) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)	A		-	-	-	-	-	-	-	-	-	6,200.00	5	0.031	-	-	-	6,200.00	5	0.031
4.3) ECR VDI/ VIRTUAL SERVER SERVICES IMPLEMENTATION	A		-	-	-	-	-	-	-	-	-	10,020.00	50	0.501	-	-	-	10,020.00	50	0.501
Subtotal: 4) YPYTD - TRAINING DELIVERY SERVICES (TDS) (CHNAVPERS - BSO 22)			-	-	0.000	-	-	-	-	-	-	-	-	0.532	-	-	-	-	-	0.532
5) YP010 - CONTINUITY OF OPERATIONS (COOP) (CHNAVPERS - BSO 22)																				
5.1) COOP - ROUTER/SWITCH-1	A		-	-	2.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) COOP - ROUTER SWITCH-2	A		-	-	0.281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) COOP - ROUTER/SWITCH-3	A		-	-	0.422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.4) COOP - SAN NETWORK -1	A		-	-	0.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.5) COOP - SAN NETWORK-2	A		-	-	0.281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.6) COOP - TACLane	A		-	-	0.276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.7) COOP - STORAGE	A		-	-	0.508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.8) COOP - SOFTWARE	A		-	-	0.057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.9) COOP - NETWORKING INFRASTRUCTURE EQUIPMENT	A		-	-	0.067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8101 / Training and Education Equipment	Aggregated Items Title: Training Support Equipment
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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: 5) YP010 - CONTINUITY OF OPERATIONS (COOP) (CHNAVPERS - BSO 22)</i>			-	-	5.088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	11.188	-	-	-	-	-	-	-	-	7.902	-	-	-	-	-	7.902

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1 **P-1 Line Item Number / Title:** 8101 / Training and Education Equipment **Aggregated Items Title:** Education Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) U.S. Naval Academy (USNA)																				
1.1) D. LAN Room Video Surveillance ^(†)	A		-	-	-	-	-	-	-	-	283,000.00	1	0.283	-	-	-	283,000.00	1	0.283	
1.3) I. Library Circulation System Replacement ^(†)	A		-	-	-	-	-	-	-	-	336,000.00	1	0.336	-	-	-	336,000.00	1	0.336	
1.6) N. Bridge Simulator Upgrade ^(†)	A		-	-	-	-	-	-	-	-	500,000.00	1	0.500	-	-	-	500,000.00	1	0.500	
1.13) S. Voice Switch Upgrades ^(†)	A		-	-	-	-	-	-	-	-	483,000.00	1	0.483	-	-	-	483,000.00	1	0.483	
Subtotal: 1) U.S. Naval Academy (USNA)			-	-	0.000	-	-	-	-	-	-	-	1.602	-	-	-	-	-	1.602	
Total			-	-	0.000	-	-	-	-	-	-	-	1.602	-	-	-	-	-	1.602	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

^(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8101 / Training and Education Equipment	Aggregated Items: Education Support Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) U.S. Naval Academy (USNA)												
1.1) D. LAN Room Video Surveillance		2017	UNKNOWN / UNKNOWN	C / FP	FLC, PHILADELPHIA	Jun 2017	Jun 2017	1	283,000.00	N	Jan 2017	Mar 2017
1.3) I. Library Circulation System Replacement		2017	UNKNOWN / UNKNOWN	C / FP	FLC, PHILADELPHIA	Aug 2017	Aug 2017	1	336,000.00	N	Mar 2017	Apr 2017
1.6) N. Bridge Simulator Upgrade		2017	TBD / TBD	C / FP	FLC, PHILADELPHIA	Jun 2017	Jun 2017	1	500,000.00	N	Jan 2017	Mar 2017
1.13) S. Voice Switch Upgrades		2017	UNKNOWN / FLC, philadelphia	C / FP	FLC, PHILADELPHIA	Aug 2017	Aug 2017	1	483,000.00	N	Mar 2017	Apr 2017

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8106 / Command Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	181.517	26.238	36.433	37.180	10.562	47.742	23.249	25.151	23.212	19.544	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	181.517	26.238	36.433	37.180	10.562	47.742	23.249	25.151	23.212	19.544	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	181.517	26.238	36.433	37.180	10.562	47.742	23.249	25.151	23.212	19.544	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	0.038	0.168	0.005	-	0.005	0.011	0.011	0.012	0.013	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

[P40A / NCIS Data Modernization & Analytical Tools]: The NCIS mission is to support the day-to-day operations to Prevent Terrorism, Protection of National Secrets, Reduce Crime across the Department of Navy and Marine Corps, and comply with DON Mandates. Without the IT Program and Technical Support, these systems will impact NCIS ability to fulfill its mission as designated by SECNAVINST 5430.107. This will Negatively impact mission commanders in their warfighting capacity. Additionally, these IT services have a direct impact on security and monitoring of IT systems as defined in DOD 8500.02 and would violate the requirement and raise the risk of system security vulnerabilities.

[P40A / OCHR - Human Resource IT system]: Procurement funding ensures that production and modernization of Human Resources Civilian Personnel (HRCP) in support of DON HR Enterprise Systems remain in accordance with DOD and DON modernization efforts are met, technical refresh of past-shelf-life infrastructure supporting HRCP, and planned HRLINK licensing expansion in compliance to ESL mandates to DON Functional Communities.

Technical Refresh - HP Cisco \$46K
Licensing - IBM/ESL Contract via ImmixTechnology \$300

[P40A / DCPDS Infrastructure Hardware]: The Office of Civilian Human resources (OCHR) provides information system support for 180,000 Department of the Navy civilian workforce. These systems are the core of human resources support at OCHR and five Human Resource Service Centers (HRSC). Several systems require upgrades to become web based and NMCI compliant.

[P40A / FIP]: Funding will be used for procurement of additional modules/ capabilities to improve Navy ERP user experience and actions to correct deficiencies found in the Federal Information System Controls Audit Manual (FISCAM) audit. FISCAM resourcing requirements are growing as an increasing number of deficiencies are identified due to non-compliance with financial audit standards resulting from inadequate internal controls among DON business processes and IT systems.

[P40A / Electronic Military Personnel Record System (EMPRS)]: BUPERS

Electronic Military Personnel Record System (EMPRS):

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8106 / Command Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Electronic Military Personnel Record System (EMPRS) is an electronic document/image based system that serves as the repository for all Department of Navy (DoN) official military personnel record images (over 170 million images). It supports retired, active, and reserve military personnel in the functional areas of selection board operations, casualty management, mobilization, veteran benefits (providing automated Sailor information to the Veterans Administration) and other military personnel management functions. EMPRS annually supports over 150 statutory and administrative selection boards, providing over 12 million service record images, covering promotions, assignments, and retention. References: Title 10 & 44, U. S. Code and Title 36, CFR (Record Management Requirements), DoD Directive 5015.2</p> <p>OPN funding provided allows us to use an acquisition strategy that is both cost efficient and effective. This strategy sustains the EMPRS program throughout the FYDP, providing technology refreshment (TR) throughout the years (evolutionary) as opposed to a TR every 8 years. This provides vital upgrades in a more timely manner. An 8 year refresh cycle of IT would require reliance on old system and software, by IT standards, that frequently result in compatibility issues as new systems and software are fielded, thus driving up sustainment costs. Evolutionary technical refreshment is a more cost effective strategy.</p> <p>[P40A / Peripherals]: : Peripherals represent auxiliary and infrastructure components that make up and are associated with the EMPRS system, which supports the Navy's selection board processes for all Officer and senior enlisted personnel (E7 & above). EMPRS is the major information system which is mutually supported by infrastructure to conduct 160 selection boards on an annual basis. Peripherals include items such as removable walls within boardrooms that function as display screen for military personnel record display, keyboards, printers, monitors, mice for workstations in the boardrooms, etc.</p> <p>[P40A / Electronic Security System (ESS) Replacement/Upgrade]: Electronic Security System (ESS) Replacement/Upgrade An integrated, open-architecture, non-proprietary digital replacement and/or upgraded corrections/detention-grade electronic security management system. Purchases to include but not limited to: New infrastructure; Multiple CCTV camera monitoring; On-line recording systems; Redundant server/workstation/client fail-over capabilities; VOIP Intercommunication & Paging Audio System; CCTV state-of-the-art, solid state, IP (Internet Protocol) cameras; NVR Recording System Network Video Recorders (NVRs); Integration of CCTV systems to other Brig sub-systems; Access Control System; Proximity-type cards and contactless readers; Integration of the access control system and other facility security control subsystems; Radio Frequency Identification Tracking System; Personal Duress and Alarm System; Personal Digital/ Detention Assistant for staff with 802.11 Wi-Fi connectivity; and other requirements necessary to replace/upgrade to a fully functional and integrated Electronic Security System.</p> <p>[P40A / System - Crisis Announcement]: The U.S. Naval War College (NWC) requires a distributed control crisis mass emergency real time assisted voice evacuation and mass communication system within the NWC complex to comply with published safety standards. The required installation will enable NWC security and leadership personnel to operate a supervised and distributed, integrated compound wide system of emergency response. This system will provide an announcement system for the College to mitigate additional emergency situations such as active shooter, bomb threats and other threat scenarios. The required system would assist in the protection of life and property by indicating the existence of an emergency situation and providing "real time" instructions to a large number of people whether inside a building or spread out the NWC complex and surrounding area on Newport Naval Station. As a host of International Senior Officers and numerous U.S. dignitaries, both military and civilian, the Naval War College lacks to capability coordinate the responses of the 1,500 personnel on campus.</p> <p>[P40A / Converged ERP]: Converged Enterprise Resource Planning: The Navy Enterprise Resource Planning (ERP) solution is an integrated business management system that modernizes and standardizes Navy's business processes. Navy ERP utilizes best commercial practices to provide real-time information exchange, unprecedented financial and asset visibility, and improved reporting and decision-making capabilities across key acquisition, financial, and logistics operations.</p> <p>Navy ERP is the tool chosen to meet Congressional mandates to establish and maintain federal financially compliant management systems, federal accounting standards, and U.S. Government General Ledger procedures at the transaction level. The Navy ERP foundation to achieve enterprise-wide business transformation is accomplished through two releases: the Financial/Acquisition Solution and the Single Supply Solution.</p> <p>The Navy has overcome a broad range of challenges to successfully deploy financial, acquisition, and workforce management capabilities to all the major acquisition Systems Commands, the Office of Naval Research (ONR), and Strategic Systems Programs (SSP). These commands include up to 72,000 users and \$64B of the Navy's Total Obligation Authority (TOA). Navy ERP has deployed and stabilized the Single Supply Solution covering all Navy's Material Groups and Fleet Logistic Centers (FLCs) and Partner Sites.</p> <p>The project acquires standard applications servers (ADP hardware) which are hosted in a Navy Data Center at NAS Patuxent River to support ERP software for the Navy Converged ERP Program. Funding reflects procurement of Government Furnished Equipment (GFE) hardware, software, and licenses in support of the SAP enterprise system environment for the Navy ERP Program.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8106 / Command Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>[P40A / Navy Standard Integrated Personnel System (NSIPS)]: NSIPS is a modern, cost-effective human resources capability that fully integrates business processes, tools, and authoritative data to efficiently and effectively manage the military workforce. NSIPS relies on technical refresh to maintain the usability, functionality and supportability of the systems ashore to avoid technical obsolescence. The technical refresh of ashore equipment (hardware and software) will be performed on an annual basis throughout the FYDP.</p> <p>[P40A / Electronic Procurement System (ePS)]: Electronic Procurement System (ePS): Provides the Department of the Navy Solution for Electronic Contract Writing, replacing the existing Standard Procurement System (SPS) and DoN Integrated Contracting Environment (DICE) capabilities and deficiencies. ePS aligns Contract Writing System (CWS) with the Financial Improvement Audit Readiness (FIAR) requirements mandated by Congress and the Department of Navy's goal for an auditable link between a financial management and contract writing system. It supports strategic sourcing and seamless exchange of data in addition to evolving to meet changing requirements. The improved capabilities will meet emerging data standards (Procurement Data Standards/Procurement Request Data Standards (PDS/PRDS)), in addition to complying with OSD Clause Logic Service. ePS meets the intent of the National Defense Authorization Act of 2013 by providing an electronic means to award contracts.</p> <p>[P40A / YC790 Maritime Operations Center (MOC) Procurement]: MOCs deliver Navy Command and Control (C2) capabilities at the Operational Level of War (OLW) that guide execution of the six (6) core capabilities of the Navy as outlined in the 2009 A Cooperative Strategy for 21st Century Seapower (Forward Presence, Deterrence, Sea Control, Power Projection, Maritime Security, Humanitarian Assistance and Disaster Response) through the full range of military operations (ROMO). The MOC initiative focuses on improving the Navy's OLW C2 by establishing baseline capabilities in globally-networked MOCs enabling Numbered Fleet and Navy Component Commanders (NFC/NCC) to assume a range of Service and Joint roles while continuing to accomplish traditional Fleet management functions. The MOC construct enhances C2 of Navy forces at the operational level through headquarters manned by individuals qualified in joint operational-level staff processes and enabled by globally interoperable Command, Control, Communications, Computers, and Intelligence (C4I) systems. MOCs provide organizational consistency, the scalability and flexibility to transition between various command roles, and enhanced global networking among Navy and Joint organizations. The desired end state/goal of the system-of-systems methodology embodied in each of the eight (8) MOCs is to achieve globally-networked operational-level C2 decisions by NCC, Joint Force Maritime Component Commanders (JFMCC) and Commanders of Joint Task Forces (CJTF). Focused acquisition of standard and common suites of systems (from the existing base of Navy, Army, Air Force and joint Programs of Record (PORs) and non-PORs) facilitates successful accomplishment of designated Joint Mission-Essential Tasks (JMETS) aligned to Joint Capability Areas (JCA) and in support of Combatant Commander theater objectives.</p> <p>This system of systems approach aims to achieve effective, agile, networked and scalable MOCs, employing common doctrine, standardized processes and common C4I systems. Each MOC will be able to operate within a common organizational construct in various roles (joint, interagency and combined). The global network and commonality enable both reach-back and load-sharing across all MOCs within a Navy enterprise network to include Ballistic Missile Defense (BMD) networks. The eight (8) MOCs consist of nine (9) sites (seven (7) ashore and two (2) afloat) including each of the numbered Fleets (Commander Third Fleet (C3F); Commander Fourth Fleet (C4F); Commander Fifth Fleet (C5F); Commander Sixth Fleet (C6F) ashore and forward afloat; Commander Seventh Fleet (C7F); and Commander Tenth Fleet (C10F); and Commander, Pacific Fleet (COMPACFLT); and U.S. Fleet Forces Command (COMUSFLTFORCOM) NCCs.</p> <p>[P40A / CNIC]: This procurement provides full capability consisting of hardware, software, integration, & operator training necessary to aggregate data from thousands of disparate control systems into a centralized and secure data management system. It provides the operator(s) transparency of the operational condition of building and utility infrastructure and includes advanced analytics that enable timely action for preventive maintenance, prevention of disruption in operations and support of condition based maintenance, supporting mission assurance and bringing further operational savings.</p> <p>[P40A / United States Fleet Forces Command (60)]: CFFC</p> <p>BASE REQUEST:</p> <p>The procurement of Command Support Equipment throughout the Navy Information Dominance Forces (NAVIDFOR) involves the purchase, replacement and upgrade of various types of equipment, to include, but not limited to, critical cable plant repair / upgrade, Voice, Video, and Data Infrastructure and security disintegrators / systems at 114 world-wide Base Communications Office (BCO) sites throughout the Pacific and Atlantic areas of responsibility.</p> <p>C8106 - BASE COMMUNICATIONS OFFICE (BCO) (NAVIDFOR): Telephone switch Uninterruptible Power Supply (UPS) - Procure and install telephone switch UPS and rectifier systems at CONUS / OCONUS locations which are necessary in order to remedy safety concerns, hazardous situations and performance deficiencies.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8106 / Command Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>C8106 - BASE COMMUNICATIONS OFFICE (BCO) INFRASTRUCTURE REPLACEMENT/UPGRADE (CABLE & EQUIPMENT) (NAVIDFOR): Base Communications Office (BCO) provides telecommunications services to include the transport of voice, video and data information at 114 world-wide sites. The BCO is responsible for the daily operations and maintenance of Base Telecommunication services, devices and systems. Funding this requirement will allow for immediate repair of cable/equipment. It provides the ability to respond to casualties and to upgrade when necessary for BCO's throughout the Pacific and Atlantic areas of responsibility.</p> <p>C8106 - INFOCON 3 (NAVIDFOR): Funding required for the procurement of software, licensing upgrades and technical support, to include patches and version upgrades as required, for the Joint Information Management System (JIMS) in support of U.S. Cyber Command (USCC) Taskorder 12-0373. This software enables JIMS capability to work across systems (Navy to Joint); provides reciprocal communications via web service calls from Navy Cyber Defense Operations Command systems to Defense Information Service Agency; allows process and technology interfaces for incident reporting, and provides situational awareness of U.S. Navy incidents.</p> <p>C8106 - DEFENSE RED SWITCH NETWORK (DRSN) (NAVIDFOR): Procure and install 5 new DSS-2A red switch systems. Must replace obsolete DRSN switches to maintain operation of Navy DRSN sites. DRSN is the only secure voice system that provides a single user desktop platform Integrated Services Telephone, (IST) that allows interface/access to multiple strategic and tactical secure voice systems.</p> <p>C8106- EQUIPMENT PROCUREMENT FOR C10F MOC (NAVIDFOR): Funding for equipment procurement and sustainment for Maritime Operations Center (MOC) architecture for the Enterprise. Funding provided to procure and install Maritime Operations Center / Marine Headquarter (MOC/MHQ) to provide common operational picture. Common MOC architecture will provide the command the ability to paint a global picture of network health and defense.</p> <p>C3303 - ELECTRICAL POWER SYSTEMS: Procures, installs, and replaces generators and uninterruptible power supply (UPS) systems to provide highly reliable, continuous, high quality power subsystems to support Fleet Cyber Command. Some of the operational load is designated as "critical" and requires UPS Systems for instantaneous application in case of loss or disturbance of the primary power source.</p> <p>[P40A / C8106 - BCO Infrastructure Replacement (Cable & Equipment)]: In FY17 the following work efforts will be performed (BSO 60): 3rd phase of Japan Outside Cable Plant. The Japan outside cable plant is vintage WWII. Service denial has already become an issue due to lack of backbone cable pairs feeding the Tech Control Facility. Adequate support for new DISA Circuit extensions across the base has been adversely impacted the warfighters day to day operations and future extensions will not be possible due to lack of infrastructure. Unfortunately, since there is only between \$1M and \$1.5M per year to support outside cable plant replacement, the Japan requirement has been broken into phases that can be accomplished with the funds available each year. Commander Fleet Activities Yokosuka's mission is to maintain and operate base facilities for the logistic, recreational, administrative support and service of the U.S. Naval Forces Japan, U.S. SEVENTH Fleet and other operating forces forward-deployed in the Western Pacific.</p> <p>[P40A / C8106 - Electrical Power Systems]: FY17 Procurement Plan Electrical Power (BSO 60): Replacing satellite communications (SATCOM) power control panels at the NAVSATCOMFAC in Wahiawa, Hawaii. SATCOM, inclusive of Teleport, is a DoD ACAT IAM program. Navy manages 7 of the DoD Gateway sites (Wahiawa, Guam, Diego Garcia, Australia, Chesapeake, Lago Patria, and Bahrain). DOD Teleport is a Joint program that is interoperable with Joint, Allied, and Coalition operations, providing multi-band satellite communications capability and seamless access to terrestrial components of the DISN for worldwide operations. JROC Memorandum (JROCM) 140-00 (Aug 28, 2000) "Teleport addresses the warfighter's growing requirements for emerging deployed military and commercial SATCOM systems interfaces into key DISN and legacy C4I services". Any degradation of the Wahiawa NAVSATCOMFAC will directly impact joint warfighters requiring services provided in the Pacific AOR and could result in catastrophic failures.</p> <p>[P40A / C8106 - INFOCON 3 - Security Compliance]: FY17 INFOCON 3 Procurement Plan (BSO 60): Procure software, licensing upgrades and technical support in the Navy's four geographical regions to keep Navy Joint Information Management System (JIMS) equipment synchronized with other services and agencies as required by U.S. Cyber Command (USCC) Taskorder 12-0373 and CJCSM 6510.01B to enable the capability to work across systems (Navy to other services and agencies) and to provide reciprocal communications via web service calls from Navy Cyber Defense Operations Command (NCDOC) to Defense Information Service Agency (DISA). JIMS allows process and technology interfaces for incident reporting, and provides situational awareness of U.S. Navy computer network defense/information assurance (CND/IA) incidents.</p> <p>[P40A / C8106 - Defense Red Switch Network Replacement]: FY17 DRSN Procurement Plan (BSO 60): Navy is the last of the services to upgrade its equipment at the 5 DRSN sites. USAF is the executive agent for the DRSN program at CJCS direction. The Navy manages and operates 3 DRSN nodes in the Atlantic AOR and 2 in the Pacific AOR. In FY17, the Pacific AOR Phase II is planned.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8106 / Command Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

[P40A / United States Pacific Fleet]: These funds are used by PACFLT for the procurement and installation of support equipment required to maintain and modernize the fleet.

[P40A / C4I Infrastructure]: Funding to support the installation of C4I infrastructure for the ERF and Supply Warehouse on Guam. Including telephones, NIPR and SIPR on the One Net System, CATV, VTC systems.

[P40A / Uninterruptible Power System (UPS)]: Supplies power for computer systems in an emergency.

[P40A / Canopy Shelters]: Temporary Enclosed Dehumidified Tension Fabric Structures to Store Attrition Aircraft at Naval Base Coronado.

[P40A / Briefing Display System Upgrade]: PNCSE - Briefing Display System Upgrade (NAVCENT): Procure and install NAVCENT HQ Briefing and Display System (BDS) Upgrade. Coalition partners are currently standing operations on the C5F Maritime Operations Center (MOC) Watch Floor which is powered by the BDS. All Coalition missions are observed and monitored within the MOC and both C5F and Coalition forces use BDS throughout the rest of NAVCENT HQ to include the War Room, MOC conference room, and within Flag Officer spaces. BDS is a critical capability to allow US, and Coalition Nations, to pursue Strategic Security Objectives within the CENTCOM Area of Responsibility. In addition the BDS capability can be configured to share Situational Awareness with Higher Echelons of Command and Peer Commands. The new BDS system will replace the current architecture and allow for capability enhancements to provide increased strategic Command and Control, be CYBERSAFE Compliant, allow for flexibility to adjust displays with the MOC Watch Floor and secure conference rooms. The BDS is the primary battle space awareness tool used by the Combined Maritime Forces US and Coalition Watch Team as well as NAVCENT leadership Command and Control. BDS is a multifaceted Video Information System providing battle-space awareness video to the Combined Maritime Operation Center (CMOC), Alternate Maritime Operations Center (AMOC), War Room, Flag/Coalition Command Suite, Department Head offices, conference rooms and key coalition leadership. BDS is essential to US and Coalition leadership command and control of all naval forces in the CENTCOM area of responsibility. BDS is currently part of Core Build/Mission Build (CB/MB) for every Fleet Maritime Operations Center (MOC) as annotated in OPNAVINST 3500.42 "Maritime Operations Standardization".

[P40A / Undersea Warfare Decision Support System - CNE]: NAVEUR Undersea Warfare Decision Support System. Funds will provide for procurement of MD-1324 modem and two systems installs at HQ MOC CTF-69 and CTF-67 for P3-8 Integration. Details held at a higher classification.

[P40A / New Joint Regional Security Stack (JRSS)]: Funds supports the Navy's transition to the Joint Regional Security Stack (JRSS)/Service Migration Team (SMT) to enhance the Department of Defense (DOD) firewall functions, intrusion detection and prevention, enterprise management, virtual routing and cyber network security capabilities. JRSS defends the cyber warfighting domain and resolves the Joint Information Environment (JIE) Initial Capabilities Document (ICD) gaps by shrinking the attack surface area. JRSS also achieves standard network security architecture and accelerates a standardized command and control platform for JIE.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment

P-1 Line Item Number / Title:
8106 / Command Support Equipment

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Command Support Equipment	P-5a, P-21			- / 181.517	- / 26.238	- / 36.433	- / 37.180	- / 10.562	- / 47.742
P-40	Total Gross/Weapon System Cost				- / 181.517	- / 26.238	- / 36.433	- / 37.180	- / 10.562	- / 47.742

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

DON/AA

Office of Civilian Human Resources (OCHR): Human Resources IT System

OCHR's Human Resources Systems provide information system support for the 180,000 Department of the Navy civilian workforce. Several systems require upgrades to become web based and NMCI compliant. These systems are the core of human resource support at OCHR and seven Human Resource Service Centers. Many systems have been migrated from individual servers to a complex superdome technology. This technology requires upgrades and/or additional capability to support and maintain the myriad of human resource applications.

Navy Standard Integrated Personnel System (NSIPS): In FY17, NSIPS will purchase ashore equipment (hardware and software) supporting technical infrastructure refresh. Funds will be used in FY17 to procure Continuity of Operations (COOP) hardware and software for tech refresh efforts, servers, monitors and uninterruptable power supplies for ashore NSIPS facilities, installation planning, drawings and supporting logistics documentation. Purchase will be through NGEN contract, therefore price will include installation costs.

Electronic Procurement System (ePS) FY 17 funding is for the procurement of Commercial-off-the-Shelf (COTS) software tools (functional modules) that are required before the future years purchase of production end user licenses.

DON Financial Improvement Program (FIP) -- formed in response to Congressional mandates for Navy-Marine Corps and the rest of the Defense Department to achieve financial auditability. The FIP is a Department-wide multi-year change management effort which requires fundamental improvements to processes and systems as well as to the business culture to implement those strengthened internal controls. FY2017 funding will be used to strengthen the existing array of legacy business systems. Implementation will allow DON to comply with OSD's Financial Management (FM) Functional Strategy, to (1) simplify the financial management environment; (2) make the environment more efficient; and, (3) generate auditable budget and accounting data.

YC790 Maritime Operations Center (MOC): The FY 2017 funding will provide for procurement, production engineering, integration and installations required to continue incremental improvements of the common capabilities of the MOCs, leading to fully-integrated, globally-networked operational-level commands with a Navy enterprise network and appropriate capabilities to exercise Command and Control (C2) over Navy missions, such as Ballistic Missile Defense (BMD), in accordance with MOC baseline requirements.

Converged Enterprise Resource Planning (ERP): FY 17 funds provide tech refresh of hardware/servers at the Data Center.

FY 2017 decrease in Command Support Equipment OPN by \$1.455M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

The FY 2017 funding request was also reduced by \$3.398M to account for the availability of prior year execution balances.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8106 / Command Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>OCO: The U.S. Naval Forces Central Command's (NAVCENT) Briefing Display System (BDS) is the primary battlespace awareness tool used by the Combined Maritime Forces US and Coalition Watch Team as well as NAVCENT leadership Command and Control. BDS is a multifaceted Video Information System providing battlespace awareness video to the Combined Maritime Operation Center (CMOC), Alternate Maritime Operations Center (AMOC), War Room, Flag/Coalition Command Suite, Department Head offices, conference rooms and key coalition leadership. BDS is essential to US and Coalition leadership command and control of all naval forces in the CENTCOM area of responsibility.</p> <p>NAVEUR Undersea Warfare Decision Support System - funds will provide for procurement of MD-1324 modem and two systems installs at HQ MOC CTF-69 and CTF-67 for P3-8 Integration. Details held at a higher classification.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy																Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2						P-1 Line Item Number / Title: 8106 / Command Support Equipment						Aggregated Items Title: Command Support Equipment								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
1) Purchase of Equipment																				
1.1) NCIS Data Modernization & Analytical Tools ^(†)	A		2,220.333	3	6.661	2,605.000	1	2.605	2,172.000	1	2.172	1,843.000	1	1.843	-	-	-	1,843.000	1	1.843
Subtotal: 1) Purchase of Equipment			-	-	6.661	-	-	2.605	-	-	2.172	-	-	1.843	-	-	-	-	-	1.843
2) Tech Refresh																				
2.1) OCHR - Human Resource IT system ^(†)	A		449.500	4	1.798	381.000	1	0.381	346.000	1	0.346	520.000	1	0.520	-	-	-	520.000	1	0.520
2.2) DCPDS Infrastructure Hardware	A		-	-	1.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) FIP ^(†)	A		-	-	-	2,351.000	1	2.351	1,628.000	1	1.628	1,676.000	1	1.676	-	-	-	1,676.000	1	1.676
Subtotal: 2) Tech Refresh			-	-	3.398	-	-	2.732	-	-	1.974	-	-	2.196	-	-	-	-	-	2.196
3) Electronic Military Personnel Record System (EMPRS)																				
3.1) Servers ^(†)	A		105.263	19	2.000	-	-	-	150.000	4	0.600	-	-	-	-	-	-	-	-	-
3.2) Content Management HW SW ^(†)	A		633.000	1	0.633	6.000	220	1.320	-	-	-	-	-	-	-	-	-	-	-	-
3.3) Records Mgmt SW ^(†)	A		802.667	3	2.408	664.000	1	0.664	-	-	-	-	-	-	-	-	-	-	-	-
3.4) Configuration Management HW SW ^(†)	A		75.000	1	0.075	210.000	1	0.210	-	-	-	-	-	-	-	-	-	-	-	-
3.5) Selection Board Management HW SW ^(†)	A		150.000	1	0.150	-	-	-	6.000	33	0.198	6.000	22	0.132	-	-	-	6.000	22	0.132
3.6) Client Management HW SW ^(†)	A		500.000	1	0.500	500.000	1	0.500	-	-	-	0.760	267	0.203	-	-	-	0.760	267	0.203
3.7) Network Management HW SW ^(†)	A		400.000	1	0.400	10.000	20	0.200	10.000	10	0.100	-	-	-	-	-	-	-	-	-
3.8) Network Devices ^(†)	A		170.750	4	0.683	-	-	-	121.667	3	0.365	-	-	-	-	-	-	-	-	-
3.9) Storage Devices ^(†)	A		309.833	12	3.718	-	-	-	100.000	10	1.000	-	-	-	-	-	-	-	-	-
3.10) Workstations (Sel Board) ^(†)	A		14.423	52	0.750	-	-	-	2.000	475	0.950	-	-	-	-	-	-	-	-	-
3.11) Scanners High Speed ^(†)	A		63.364	11	0.697	-	-	-	75.000	6	0.450	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy																	Date: November 2016			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8106 / Command Support Equipment												Aggregated Items Title: Command Support Equipment			
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
3.12) Peripherals ^{(2)(f)}	A		184.000	2	0.368	20.000	20	0.400	50.000	34	1.700	3.000	60	0.180	-	-	-	3.000	60	0.180
3.13) Sel Board Display ^(f)	A		350.000	1	0.350	-	-	-	148.000	1	0.148	-	-	-	-	-	-	-	-	-
Subtotal: 3) Electronic Military Personnel Record System (EMPRS)			-	-	12.732	-	-	3.294	-	-	5.511	-	-	0.515	-	-	-	-	-	0.515
4) Electronic Security System (ESS) Replacement/Upgrade																				
4.1) Electronic Security System (ESS) Replacement Update ^(f)	A		-	-	-	-	-	-	7,903.000	1	7.903	-	-	-	-	-	-	-	-	-
Subtotal: 4) Electronic Security System (ESS) Replacement/Upgrade			-	-	0.000	-	-	-	-	-	7.903	-	-	-	-	-	-	-	-	-
5) System - Crisis Announcement																				
5.1) Control Unit ^(f)	A		-	-	-	225.000	3	0.675	-	-	-	-	-	-	-	-	-	-	-	-
5.2) Speakers/Strobes/Message Displays ^(f)	A		-	-	-	0.933	150	0.140	-	-	-	-	-	-	-	-	-	-	-	-
5.3) Remote Control/Monitoring Units ^(f)	A		-	-	-	2.500	70	0.175	-	-	-	-	-	-	-	-	-	-	-	-
5.4) Remote Alert System ^(f)	A		-	-	-	1.000	55	0.055	-	-	-	-	-	-	-	-	-	-	-	-
5.5) Alert Status Communications ^(f)	A		-	-	-	1.000	20	0.020	-	-	-	-	-	-	-	-	-	-	-	-
5.6) Power Supplies ^(f)	A		-	-	-	2.500	24	0.060	-	-	-	-	-	-	-	-	-	-	-	-
5.7) Wiring, Installation, Testing ^(f)	A		-	-	-	375.000	1	0.375	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) System - Crisis Announcement			-	-	0.000	-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-
6) Converged ERP (39)																				
6.1) Converged ERP	A		-	-	74.446	-	-	2.248	-	-	0.765	-	-	0.873	-	-	-	-	-	0.873
Subtotal: 6) Converged ERP (39)			-	-	74.446	-	-	2.248	-	-	0.765	-	-	0.873	-	-	-	-	-	0.873
8) Navy Standard Integrated Personnel System (NSIPS)																				
8.1) Ashore Equipment ⁽³⁾	A		-	-	10.624	-	-	2.124	-	-	0.573	-	-	0.536	-	-	-	-	-	0.536
Subtotal: 8) Navy Standard Integrated Personnel System (NSIPS)			-	-	10.624	-	-	2.124	-	-	0.573	-	-	0.536	-	-	-	-	-	0.536
9) Electronic Procurement System (ePS)																				
9.1) Electronic Procurement System (ePS)	A		-	-	-	-	-	-	-	-	3.794	-	-	3.875	-	-	-	-	-	3.875

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy																Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2						P-1 Line Item Number / Title: 8106 / Command Support Equipment						Aggregated Items Title: Command Support Equipment								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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: 9) Electronic Procurement System (ePS)			-	-	0.000	-	-	-	-	-	3.794	-	-	3.875	-	-	-	-	-	3.875
10) YC790 Maritime Operations Center (MOC) Procurement ⁽⁴⁾																				
10.1) Baseline Equipment - Ashore ^{(5)(†)}	A		531.568	44	23.389	125.286	7	0.877	174.429	7	1.221	213.429	7	1.494	-	-	-	213.429	7	1.494
10.2) Baseline Equipment - Afloat ^{(6)(†)}	A		458.500	2	0.917	124.000	2	0.248	172.500	2	0.345	211.000	2	0.422	-	-	-	211.000	2	0.422
Subtotal: 10) YC790 Maritime Operations Center (MOC) Procurement			-	-	24.306	-	-	1.125	-	-	1.566	-	-	1.916	-	-	-	-	-	1.916
11) YC555 Maritime Operations Center (MOC) Production Support																				
11.1) Production Support - Ashore	A		-	-	0.671	-	-	0.050	-	-	0.069	-	-	0.084	-	-	-	-	-	0.084
11.2) Production Support - Afloat	A		-	-	0.053	-	-	0.017	-	-	0.023	-	-	0.028	-	-	-	-	-	0.028
Subtotal: 11) YC555 Maritime Operations Center (MOC) Production Support			-	-	0.724	-	-	0.067	-	-	0.092	-	-	0.112	-	-	-	-	-	0.112
12) YC776 Maritime Operations Center (MOC) Ashore Installations																				
12.1) Installations - Ashore	A		-	-	14.528	-	-	0.393	-	-	0.583	-	-	0.761	-	-	-	-	-	0.761
Subtotal: 12) YC776 Maritime Operations Center (MOC) Ashore Installations			-	-	14.528	-	-	0.393	-	-	0.583	-	-	0.761	-	-	-	-	-	0.761
13) YC777 Maritime Operations Center (MOC) Afloat Installations																				
13.1) Installations - Afloat	A		-	-	0.591	-	-	0.111	-	-	0.164	-	-	0.215	-	-	-	-	-	0.215
Subtotal: 13) YC777 Maritime Operations Center (MOC) Afloat Installations			-	-	0.591	-	-	0.111	-	-	0.164	-	-	0.215	-	-	-	-	-	0.215
14) CNIC ⁽⁷⁾																				
14.1) SGCC Hardware ^{(8)(†)}	A		-	-	-	-	-	-	1,110.000	2	2.220	-	-	-	-	-	-	-	-	-
14.2) Fiber Optic Backbone Hdwr ^(†)	A		-	-	-	-	-	-	977.000	1	0.977	-	-	-	-	-	-	-	-	-
14.3) Bldg Level Network Switches ^{(9)(†)}	A		-	-	-	-	-	-	146.000	4	0.584	-	-	-	-	-	-	-	-	-
14.4) Enclave Equipment ^{(10)(†)}	A		-	-	-	-	-	-	1,180.500	2	2.361	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy																Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2						P-1 Line Item Number / Title: 8106 / Command Support Equipment						Aggregated Items Title: Command Support Equipment								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
14.5) Common Display ^(†)	A		-	-	-	-	-	-	912.500	2	1.825	-	-	-	-	-	-	-	-	-
14.6) Furniture ^(†)	A		-	-	-	-	-	-	789.000	1	0.789	-	-	-	-	-	-	-	-	-
14.7) ICS Software ^(†)	A		-	-	-	-	-	-	877.000	1	0.877	-	-	-	-	-	-	-	-	-
14.8) Bldg Cntrl Sys HW/SW ^{(1)(†)}			-	-	-	-	-	-	-	-	-	14,400.000	1	14.400	-	-	-	14,400.000	1	14.400
Subtotal: 14) CNIC			-	-	0.000	-	-	-	-	-	9.633	-	-	14.400	-	-	-	-	-	14.400
15) United States Fleet Forces Command (60)																				
15.1) C8106 - BCO Infrastructure Replacement (Cable & Equipment) ^{(12)(†)}	A		279.250	4	1.117	599.750	4	2.399	323.000	2	0.646	391.000	4	1.564	-	-	-	391.000	4	1.564
15.2) C8106 - Electrical Power Systems ^(†)	A		467.667	3	1.403	-	-	-	-	-	-	393.700	3	1.181	-	-	-	393.700	3	1.181
15.3) C8106 - INFOCON 3 - Security Compliance ^(†)	A		655.000	2	1.310	705.000	1	0.705	597.000	1	0.597	242.650	4	0.971	-	-	-	242.650	4	0.971
15.4) C8106 - Defense Red Switch Network Replacement ^(†)	A		1,632.000	3	4.896	783.000	1	0.783	460.000	1	0.460	611.000	2	1.222	-	-	-	611.000	2	1.222
15.5) C8106 - Equipment Procurement C10F MOC ^(†)	A		6,527.000	3	19.581	1,766.000	1	1.766	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 15) United States Fleet Forces Command (60)			-	-	28.307	-	-	5.653	-	-	1.703	-	-	4.938	-	-	-	-	-	4.938
16) United States Pacific Fleet																				
16.1) C4I Infrastructure ^(†)	A		-	-	-	1,497.000	1	1.497	-	-	-	-	-	-	-	-	-	-	-	-
16.2) Uninterruptible Power System (UPS) ^(†)	A		-	-	-	150.000	2	0.300	-	-	-	-	-	-	-	-	-	-	-	-
16.3) Canopy Shelters ^(†)	A		2,600.000	2	5.200	2,589.000	1	2.589	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 16) United States Pacific Fleet			-	-	5.200	-	-	4.386	-	-	-	-	-	-	-	-	-	-	-	-
17) Briefing Displaying System (BDS) Upgrade - NAVCENT																				
17.1) Briefing Display System Upgrade ^{(13)(†)}	A		-	-	-	-	-	-	-	-	-	-	-	0.000	8,662.000	1	8.662	8,662.000	1	8.662

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8106 / Command Support Equipment **Aggregated Items Title:** Command Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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: 17) Briefing Displaying System (BDS) Upgrade - NAVCENT			-	-	0.000	-	-	-	-	-	-	-	-	0.000	-	-	8.662	-	-	8.662
18) Undersea Warfare Decision Support System - CNE																				
18.1) Hardware and Software ^(†)	A		-	-	-	-	-	-	-	-	-	-	-	0.000	1,500.000	1	1.500	1,500.000	1	1.500
18.2) Production Engineering Support ^(†)	A		-	-	-	-	-	-	-	-	-	-	-	0.000	400.000	1	0.400	400.000	1	0.400
18.3) New Joint Regional Security Stack (JRSS) ^{(14)(†)}	A		-	-	-	-	-	-	-	-	1,250.000	4	5.000	-	-	-	-	1,250.000	4	5.000
Subtotal: 18) Undersea Warfare Decision Support System - CNE			-	-	0.000	-	-	-	-	-	-	-	-	5.000	-	-	1.900	-	-	6.900
Total			-	-	181.517	-	-	26.238	-	-	36.433	-	-	37.180	-	-	10.562	-	-	47.742

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8106 / Command Support Equipment	Aggregated Items Title: Command Support Equipment

Footnotes:

- (1) The increase is due to OPM's complete update and overhaul of the USA Staffing Tool employed government-wide which requires the DON to mandatorily transition to the new USA Staffing upgrade. This transition will afford DON to take advantage of additional flexibilities and capabilities which will enhance DON hiring processes and provide the agility needed to meet mission requirements. The contractor has not been determined due to the required specifications.
- (2) The funding profile for peripheral items will vary each year based on what IT and supporting infrastructure items require refresh.
- (3) In FY17, funds will be used to procure Continuity of Operations (COOP) hardware and software for tech refresh efforts, servers, monitors and uninterruptable power supplies for ashore NSIPS facilities, installation planning, drawings and supporting logistics documentation. Total costs include installation as purchase will be through NGEN contract.
- (4) The Maritime Operations Center (MOC) delivers global maritime capabilities at the Operational level of War throughout the full range of military operations. The goal end state is to achieve globally-networked operational level Numbered Fleet and Navy Component Commander, Joint Force Maritime Component Commander and Staff and Joint Task Force capable commands, based on Joint Capability Areas and Joint Mission-Essential Tasks through focused acquisition of standard and common suites of systems from the existing base of Navy, Army, Air Force and joint Programs of Record (POR) and non-PORs.
- (5) Quantity listed for Maritime Operations Command (MOC) Ashore represents shore sites. In any given year, MOC procures different equipment sets for the current build, as well as upgrades for prior builds/spirals, causing the unit cost per site to vary between fiscal years.
- (6) Quantity listed for MOC Afloat represents 2 ships: the USS Mt. Whitney and the USS Blue Ridge. In any given year, MOC procures different equipment sets for the current build, as well as upgrades for prior builds/spirals, causing the unit cost per site to vary between fiscal years.
- (7) Smart Grid System provides the ability to centrally monitor, manage, and control energy supply and distribution as well as helps to sustain lower cost of shore operations gained through identification and execution of energy efficiency projects. To attain the Navy's Shore Energy Security Goals, funding will be used to support the procurement of the software and equipment suite to connect advanced metering infrastructure (AMI) with building energy controls across various Navy installations via a secure IT network connection.
- (8) Smart Grid Control Center
- (9) Network Hardware / fiber optic backbone
- (10) Data warehouse
- (11) Building Control System Hardware & Software
- (12) C8106 - BCO Infrastructure Replacement/Upgrade (Cable & Equipment) - BCO quantities in FY14 and out represent number of regions. The procurement unit cost reflects an average unit cost for these regions. Unit cost fluctuations are a result of the varying system configuration requirements of particular sites, architecture, and varying number of locations or sites per region.
- (13) The BDS is a battle space awareness platform that supports overseas operations and contingencies through a common operating picture for all Naval Forces (CONUS and OCONUS) and is consistent with the purpose and use of OCO funds.
- (14) JRSS Funds to support uninterruptible power supply (UPS) systems and heating, ventilation and air conditioning (HVAC)at NCTS Guam Bldg 112 and NCTAMS PAC 409.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2				P-1 Line Item Number / Title: 8106 / Command Support Equipment				Aggregated Items: Command Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Purchase of Equipment												
1.1) NCIS Data Modernization & Analytical Tools ^(f)		2013	ServiceNow ⁽¹⁵⁾ / San Diego, CA	C / FFP	NAVSUP FLC	Apr 2013	Jun 2013	1	2,880.000	N	Sep 2013	Mar 2013
1.1) NCIS Data Modernization & Analytical Tools ^(f)		2014 ⁽¹⁶⁾	Iron Brick / McLean, VA	C / FFP	NAVSUP FLC	May 2014	Jun 2014	1	2,931.000	N	Oct 2014	Apr 2014
1.1) NCIS Data Modernization & Analytical Tools ^(f)		2015 ⁽¹⁷⁾	Iron Brick / McLean, VA	C / FFP	NAVSUP FLC	May 2015	Jun 2015	1	2,605.000	N	Jun 2015	Apr 2015
1.1) NCIS Data Modernization & Analytical Tools ^(f)		2016 ⁽¹⁸⁾	One Dell Way / Round Rock TX 78682	C / FFP	NAVSUP	May 2016	Jun 2016	1	2,172.000	N	Jun 2016	Apr 2016
1.1) NCIS Data Modernization & Analytical Tools ^(f)		2017	ServiceNow ⁽¹⁵⁾ / San Diego, CA	C / TBD	NAVSUP	Apr 2017	Jun 2017	1	1,843.000	N	Jun 2017	Apr 2017
2) Tech Refresh												
2.1) OCHR - Human Resource IT system ^{(1)(f)}		2013	M2 Technology, Inc / UNKNOWN	C / FFP	FISC Philadelphia	Jun 2013	Aug 2013	1	270.000	N	Apr 2013	Mar 2013
2.1) OCHR - Human Resource IT system ^{(1)(f)}		2014	M2 Technology, Inc / UNKNOWN	C / FFP	FISC Philadelphia	Apr 2014	Jun 2014	1	680.000	N	Sep 2014	Mar 2014
2.1) OCHR - Human Resource IT system ^{(1)(f)}		2015	M2 Technology, Inc / UNKNOWN	C / FFP	FISC Philadelphia	Jun 2015	Jun 2015	1	381.000	N	Sep 2015	Mar 2015
2.1) OCHR - Human Resource IT system ^{(1)(f)}		2016	HPCISCO / New MFG - Loc	C / TBD	FISC Philadelphia	Jun 2016	Jun 2016	1	346.000	N	Sep 2016	Mar 2016
2.1) OCHR - Human Resource IT system ^{(1)(f)}		2017	M2 Technology, Inc / UNKNOWN	C / TBD	** NO PCO **	Jun 2017	Jun 2017	1	520.000	N	Sep 2017	
2.3) FIP ^(f)		2015	NAVSUP / Mechanicsburg, PA	C / CPFF	NAVSUP	Oct 2014	Oct 2014	1	2,351.000	N	Oct 2015	Oct 2014
2.3) FIP ^(f)		2016	NAVSUP / Mechanicsburg, PA	C / CPFF	NAVSUP	Oct 2015	Oct 2015	1	1,628.000	N	Oct 2016	Oct 2015
2.3) FIP ^(f)		2017	NAVSUP / Mechanicsburg, PA	C / TBD	NAVSUP	Oct 2016	Oct 2016	1	1,676.000	N	Oct 2017	Oct 2016
3) Electronic Military Personnel Record System (EMPRS)												
3.1) Servers		2013	Soft Choice / Unknown	C / FFP	FISC Philadelphia	Sep 2013	Sep 2013	18	100.000	Y		Jun 2013
3.1) Servers		2016	Soft Choice / Unknown	C / FFP	FISC Philadelphia	Jun 2016	Jun 2016	4	150.000	N	Oct 2015	Jun 2016
3.2) Content Management HW SW		2015	Unknown / Unknown	C / FP	FISC Philadelphia	Sep 2015	Dec 2015	220	6.000	Y	Oct 2014	Jun 2015
3.3) Records Mgmt SW		2013	CDW Government / Unknown	C / FFP	FISC Philadelphia	Sep 2013	Sep 2013	1	992.000	Y		Jun 2013
3.3) Records Mgmt SW		2015	CDW Government / Unknown	C / FP	FISC Philadelphia	Oct 2015	Oct 2015	1	664.000	N	Oct 2014	Jun 2015
3.4) Configuration Management HW SW		2015	TrueTandem, LLC / reston, va	C / FP	Unknown	Jul 2015	Jul 2015	1	210.000	N	Oct 2014	

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy										Date: November 2016		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2				P-1 Line Item Number / Title: 8106 / Command Support Equipment				Aggregated Items: Command Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.5) Selection Board Management HW SW		2016	TrueTandem, LLC / Unknown	C / FP	FISC Philadelphia	Jun 2016	Jun 2016	33	6.000	N	Oct 2015	Jun 2016
3.5) Selection Board Management HW SW		2017	TrueTandem, LLC / Unknown	C / FP	Unknown	Jun 2017	Jun 2017	22	6.000	N	Oct 2016	Jun 2017
3.6) Client Management HW SW		2014	IBM/NSA / Mid South, TN	C / FFP	FISC Philadelphia	Jun 2014	Sep 2014	1	500.000	N	Oct 2013	Dec 2013
3.6) Client Management HW SW		2015	Pifinity, Inc. / Arlington, VA	C / FFP	FISC Philadelphia	Aug 2015	Nov 2015	1	500.000	N	Oct 2014	Jun 2015
3.6) Client Management HW SW		2017	Pifinity, Inc. / Arlington, VA	C / FFP	FISC Philadelphia	Aug 2017	Sep 2017	267	0.760	N	Oct 2017	Jun 2017
3.7) Network Management HW SW		2015	Kofax / Unknown	C / FP	FISC Philadelphia	Aug 2015	Aug 2015	20	10.000	Y	Jun 2015	Jun 2015
3.7) Network Management HW SW		2016	Kofax / Unknown	C / FFP	Unknown	Jun 2016	Jun 2016	10	10.000	N	Oct 2015	Jun 2016
3.8) Network Devices		2013	SUN / NSA Mid South, TN	C / FFP	FISC Philadelphia	Sep 2013	Sep 2013	3	161.000	Y		Jun 2013
3.8) Network Devices		2016	Unknown / Unknown	C / FFP	Unknown	Jun 2016	Jun 2016	3	121.667	N	Oct 2015	Jun 2016
3.9) Storage Devices		2013	SUN / NSA Mid South, TN	C / FFP	FISC Philadelphia	Sep 2013	Sep 2013	1	100.000	Y		Jun 2013
3.9) Storage Devices		2014	EMC/Veritos / NSA Mid South, TN	C / FFP	FISC Philadelphia	Jun 2014	Sep 2014	10	100.000	N	Oct 2013	Dec 2013
3.9) Storage Devices		2016	Unknown / Unknown	C / FFP	Unknown	Jun 2016	Jun 2016	10	100.000	N	Oct 2015	Jun 2016
3.10) Workstations (Sel Board)		2013	Dell / NSA Mid South, TN	C / FFP	FISC Philadelphia	Sep 2013	Sep 2013	50	2.000	Y		Jun 2013
3.10) Workstations (Sel Board)		2014	Dell / NSA Mid South, TN	C / FFP	FISC Philadelphia	Jun 2014	Sep 2014	1	350.000	N	Oct 2013	Dec 2013
3.10) Workstations (Sel Board)		2016	Unknown / Unknown	C / FFP	Unknown	Jun 2016	Jun 2016	475	2.000	N	Oct 2015	Jun 2016
3.11) Scanners High Speed		2014	Kodak / ,NSA Mid South, TN	C / FFP	FISC Philadelphia	Jun 2014	Sep 2014	10	14.600	N	Oct 2013	Dec 2013
3.11) Scanners High Speed		2016	Unknown / Unknown	C / FFP	Unknown	Jun 2016	Jun 2016	6	75.000	N	Oct 2015	Jun 2016
3.12) Peripherals ⁽²⁾		2014	HP, Samsung, Meridia / NSA Mid South, TN	C / FFP	FISC Philadelphia	Jun 2014	Sep 2014	1	150.000	N	Oct 2013	Dec 2013
3.12) Peripherals ⁽²⁾		2015	Insight Public Sector / Tempe, AZ	C / FP	Unknown	Aug 2015	Nov 2015	20	20.000	N	Nov 2015	Jun 2015
3.12) Peripherals ⁽²⁾		2016	Insight Public Sector / Tempe, AZ	C / FFP	Unknown	Jun 2016	Jun 2016	34	50.000	N	Oct 2015	Jun 2016
3.12) Peripherals ⁽²⁾		2017	Insight Public Sector / Tempe, AZ	C / FFP	Unknown	Jun 2017	Jun 2017	60	3.000	N	Oct 2016	Jun 2017
3.13) Sel Board Display		2014	Dell Federal Systems / NSA, Mid South , TN	C / FFP	FISC Philadelphia	Jun 2014	Sep 2014	1	350.000	N	Oct 2013	Dec 2013
3.13) Sel Board Display		2016	Unknown / Unknown	C / FFP	Unknown	Jun 2017	Jun 2017	1	148.000	N	Jun 2017	Jun 2017
4) Electronic Security System (ESS) Replacement/Upgrade												
4.1) Electronic Security System (ESS) Replacement Update ^(†)		2016	Unknown / Unknown	C / TBD	** NO PCO **	Dec 2015	Dec 2015	1	7,903.000	N		
5) System - Crisis Announcement												
5.1) Control Unit		2015	Insight Public Sector / Tempe, AZ	C / FFP	NWC	Jun 2016	Jun 2016	3	225.000	Y		Aug 2015
5.2) Speakers/Strobes/Message Displays		2015	Insight Public Sector / Tempe, AZ	C / FFP	NWC	Sep 2015	Sep 2015	150	0.933	N	Nov 2015	Aug 2015

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8106 / Command Support Equipment					Aggregated Items: Command Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.3) Remote Control/ Monitoring Units		2015	Insight Public Sector / Tempe, AZ	C / FFP	NWC	Sep 2015	Sep 2015	70	2.500	N	Nov 2015	Aug 2015
5.4) Remote Alert System		2015	Insight Public Sector / Tempe, AZ	C / FFP	NWC	Sep 2015	Sep 2015	55	1.000	N	Nov 2015	Aug 2015
5.5) Alert Status Communications		2015	Insight Public Sector / Tempe, AZ	C / FFP	NWC	Sep 2015	Sep 2015	20	1.000	N	Nov 2015	Aug 2015
5.6) Power Supplies		2015	Insight Public Sector / Tempe, AZ	C / FFP	NWC	Sep 2015	Sep 2015	24	2.500	N	Nov 2015	Aug 2015
5.7) Wiring, Installation, Testing		2015	Insight Public Sector / Tempe, AZ	C / FFP	NWC	Sep 2015	Sep 2015	1	375.000	N	Nov 2015	
10) YC790 Maritime Operations Center (MOC) Procurement												
10.1) Baseline Equipment - Ashore (5)		2015	SSC Atlantic/Pacific/MDA / Various	WR	SSC PAC/LANT/MDA	Mar 2015	Jun 2015	7	125.286	Y		
10.1) Baseline Equipment - Ashore (5)		2016	SSC Atlantic/Pacific/MDA / Various	WR	SSC PAC/LANT/MDA	Mar 2016	Jun 2016	7	174.429	Y		
10.1) Baseline Equipment - Ashore (5)		2017	SSC Atlantic/Pacific/MDA / Various	WR	SSC PAC/LANT/MDA	Mar 2017	Jun 2017	7	213.429	Y		
10.2) Baseline Equipment - Afloat (6)		2015	SSC Atlantic/Pacific/MDA / Various	WR	SSC PAC/LANT/MDA	Mar 2015	Jun 2015	2	124.000	Y		
10.2) Baseline Equipment - Afloat (6)		2016	SSC Atlantic/Pacific/MDA / Various	WR	SSC PAC/LANT/MDA	Mar 2016	Jun 2016	2	172.500	Y		
10.2) Baseline Equipment - Afloat (6)		2017	SSC Atlantic/Pacific/MDA / Various	WR	SSC PAC/LANT/MDA	Mar 2017	Jun 2017	2	211.000	Y		
14) CNIC												
14.1) SGCC Hardware (8)		2016	TBD / TBD	C / TBD	TBD	Oct 2015	Oct 2015	2	1,110.000	N	Dec 2015	
14.2) Fiber Optic Backbone Hdwr		2016	TBD / TBD	C / TBD	TBD	Oct 2015	Oct 2015	1	977.000	N	Dec 2015	
14.3) Bldg Level Network Switches (9)		2016	TBD / TBD	C / TBD	TBD	Oct 2015	Oct 2015	4	146.000	N	Dec 2015	
14.4) Enclave Equipment (10)		2016	TBD / TBD	C / TBD	TBD	Oct 2015	Oct 2015	2	1,180.500	N	Dec 2015	
14.5) Common Display		2016	TBD / TBD	C / TBD	TBD	Oct 2015	Oct 2015	2	912.500	N	Dec 2015	
14.6) Furniture		2016	TBD / TBD	C / TBD	TBD	Oct 2015	Oct 2015	1	789.000	N	Dec 2015	
14.7) ICS Software		2016	TBD / TBD	C / TBD	TBD	Oct 2015	Oct 2015	1	877.000	N	Dec 2015	
14.8) Bldg Cntrl Sys HW/SW (11)		2017	TBD / TBD	C / TBD	TBD	Oct 2016	Oct 2016	1	14,400.000	N	Jul 2016	
15) United States Fleet Forces Command (60)												
15.1) C8106 - BCO Infrastructure Replacement (Cable & Equipment) (12)		2014	SPAWAR / UNKNOWN	C / FP	SPAWAR	Jan 2014	Apr 2014	2	253.000	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8106 / Command Support Equipment					Aggregated Items: Command Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
15.1) C8106 - BCO Infrastructure Replacement (Cable & Equipment) (12)		2015	SPAWAR / UNKNOWN	C / FP	SPAWAR	Jan 2015	Apr 2015	4	599.750	N		
15.1) C8106 - BCO Infrastructure Replacement (Cable & Equipment) (12)		2016	SPAWAR / UNKNOWN	C / FP	SPAWAR	Apr 2016	Apr 2016	2	323.000	N		
15.1) C8106 - BCO Infrastructure Replacement (Cable & Equipment) (12)		2017	SPAWAR / UNKNOWN	C / FP	SPAWAR	Apr 2017	Apr 2017	4	391.000	N		
15.2) C8106 - Electrical Power Systems		2017	NAVFAC EXWC / PORT HUENEME, CA	C / FPAF	** NO PCO **	Apr 2017	Apr 2017	3	393.700	N		
15.3) C8106 - INFOCON 3 - Security Compliance		2015 ⁽¹⁹⁾	SPAWAR / Charleston	C / CPAF	SPAWAR	Apr 2015	Jul 2015	1	705.000	N		
15.3) C8106 - INFOCON 3 - Security Compliance		2016	SPAWAR / Charleston	C / CPAF	SPAWAR	Apr 2016	Apr 2016	1	597.000	N		
15.3) C8106 - INFOCON 3 - Security Compliance		2017	SPAWAR / Charleston	C / CPAF	SPAWAR	Apr 2017	Apr 2017	4	242.650	N		
15.4) C8106 - Defense Red Switch Network Replacement		2014	Raytheon / Hill AFB, UT	C / FP	Air Force Depot Support	Jan 2014	Apr 2014	1	2,676.000	N		
15.4) C8106 - Defense Red Switch Network Replacement		2015	Raytheon / Hill AFB, UT	C / FP	Air Force	Jan 2015	Apr 2015	1	783.000	N		
15.4) C8106 - Defense Red Switch Network Replacement		2016	Raytheon / Hill AFB, UT	C / FP	** NO PCO **	Apr 2016	Apr 2016	1	460.000	N		
15.4) C8106 - Defense Red Switch Network Replacement		2017	Raytheon / Hill AFB, UT	C / FP	** NO PCO **	Apr 2017	Apr 2017	2	611.000	N		
15.5) C8106 - Equipment Procurement C10F MOC		2014	SPAWAR / UNKNOWN	C / FP	SPAWAR	Jan 2014	Apr 2014	1	7,883.000	N		
15.5) C8106 - Equipment Procurement C10F MOC		2015	SPAWAR / UNKNOWN	C / FP	SPAWAR	Jan 2015	Apr 2015	1	1,766.000	N		
16) United States Pacific Fleet												
16.1) C4I Infrastructure		2015	SPAWAR / Hawaii / Guam	PO	SPAWAR	Aug 2015	Aug 2016	1	1,497.000	N	Aug 2015	
16.2) Uninterruptible Power System (UPS)		2015	TBD / TBD	C / TBD	NAVSUP FLC	Sep 2016	Sep 2017	2	150.000	N	Sep 2015	
16.3) Canopy Shelters		2014	TBD ⁽²⁰⁾ / TBD	C / FP	NAVFAC SW COASTAL IPT	Dec 2014	Dec 2015	2	2,600.000	Y		Aug 2014
16.3) Canopy Shelters		2015	TBD ⁽²⁰⁾ / TBD	C / FP	NAVFAC SW COASTAL IPT	Feb 2016	Feb 2017	1	2,589.000	Y		Oct 2015
17) Briefing Displaying System (BDS) Upgrade - NAVCENT												

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8106 / Command Support Equipment	Aggregated Items: Command Support Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
17.1) Briefing Display System Upgrade ^{(13)(t)}	✓	2017	SPAWAR / North Charleston, SC	PO	SPAWAR	Nov 2016	Sep 2017	1	8,662.000	Y		
18) Undersea Warfare Decision Support System - CNE												
18.1) Hardware and Software	✓	2017	TBD / TBD	C / TBD	** NO PCO **	Feb 2017	Feb 2017	1	1,500.000	N		
18.2) Production Engineering Support	✓	2017	TBD / TBD	C / TBD	** NO PCO **	Oct 2016	Oct 2016	1	400.000	N		
18.3) New Joint Regional Security Stack (JRSS) ⁽¹⁴⁾		2017	New MFG - Name / NAVAL FACILITIES ENGINEERING COMAND	C / TBD	GUAM/WAHIAWA	Jan 2017	Jan 2017	4	1,250.000	N	May 2017	

^(t) indicates the presence of a P-21

Footnotes:

- ⁽¹⁵⁾ Performing Business Case; ServiceNow is the recommended vendor.
- ⁽¹⁶⁾ Contracts to be awarded to purchase Dell desktops and Laptops, MIPR funds to NSA for COMMSEC gear and VIPR phones.
- ⁽¹⁷⁾ SIPR NetAPP Equipment Refresh and Cisco UCS Refresh
- ⁽¹⁸⁾ SecureGuard , Ironbrick are other manufacturers
- ⁽¹⁹⁾ Contract Method / Type is cost Reimbursable
- ⁽²⁰⁾ Manufacturer to be determined upon award of contract.

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Exhibit P-21, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8106 / Command Support Equipment **Aggregated Items:** Command Support Equipment

Items (Units in Each)						Fiscal Year 2013												Fiscal Year 2014												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	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
1) Purchase of Equipment																															
1.1) NCIS Data Modernization & Analytical Tools																															
Prior Years Deliveries: 1																															
	3	2013	NAVY	1	0	1																							0		
	5	2014	NAVY	1	0	1																							0		
	5	2015	NAVY	1	0	1																							1		
	4	2016	NAVY	1	0	1																							1		
	3	2017	NAVY	1	0	1																							1		
2) Tech Refresh																															
2.1) OCHR - Human Resource IT system ⁽¹⁾																															
Prior Years Deliveries: 2																															
	6	2013	NAVY	1	0	1																							0		
	6	2014	NAVY	1	0	1																							0		
	6	2015	NAVY	1	0	1																							1		
	7	2016	NAVY	1	0	1																							1		
	6	2017	NAVY	1	0	1																							1		
2.3) FIP																															
	8	2015	NAVY	1	0	1																							1		
	8	2016	NAVY	1	0	1																							1		
	8	2017	NAVY	1	0	1																							1		
4) Electronic Security System (ESS) Replacement/Upgrade																															
4.1) Electronic Security System (ESS) Replacement Update																															
	9	2016	NAVY	1	0	1																							1		
17) Briefing Displaying System (BDS) Upgrade - NAVCENT																															
17.1) Briefing Display System Upgrade ⁽¹³⁾																															
✓	10	2017	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, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8106 / Command Support Equipment **Aggregated Items:** Command Support Equipment

Items <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016												BALANCE
O C C O #	M F R FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												
						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) Purchase of Equipment																														
1.1) NCIS Data Modernization & Analytical Tools																														
Prior Years Deliveries: 1																														
3	2013	NAVY	1	1	0																							0		
5	2014	NAVY	1	1	0																							0		
5	2015	NAVY	1	0	1									A -	1													0		
4	2016	NAVY	1	0	1																					A -	1	0		
3	2017	NAVY	1	0	1																							1		
2) Tech Refresh																														
2.1) OCHR - Human Resource IT system ⁽¹⁾																														
Prior Years Deliveries: 2																														
6	2013	NAVY	1	1	0																							0		
6	2014	NAVY	1	1	0																							0		
6	2015	NAVY	1	0	1									A1														0		
7	2016	NAVY	1	0	1																					A1		0		
6	2017	NAVY	1	0	1																							1		
2.3) FIP																														
8	2015	NAVY	1	0	1	A1																						0		
8	2016	NAVY	1	0	1																					A1		0		
8	2017	NAVY	1	0	1																							1		
4) Electronic Security System (ESS) Replacement/Upgrade																														
4.1) Electronic Security System (ESS) Replacement Update																														
9	2016	NAVY	1	0	1																					A1		0		
17) Briefing Displaying System (BDS) Upgrade - NAVCENT																														
17.1) Briefing Display System Upgrade ⁽¹³⁾																														
✓ 10	2017	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, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8106 / Command Support Equipment **Aggregated Items:** Command Support Equipment

Items <i>(Units in Each)</i>						Fiscal Year 2017												Fiscal Year 2018												BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 6	BAL D U E A S O F 1 O C T	Calendar Year 2017												Calendar Year 2018													
							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) Purchase of Equipment																																
1.1) NCIS Data Modernization & Analytical Tools																																
Prior Years Deliveries: 1																																
	3	2013	NAVY	1	1	0																						0				
	5	2014	NAVY	1	1	0																						0				
	5	2015	NAVY	1	1	0																						0				
	4	2016	NAVY	1	1	0																						0				
	3	2017	NAVY	1	0	1																						0				
2) Tech Refresh																																
2.1) OCHR - Human Resource IT system ⁽¹⁾																																
Prior Years Deliveries: 2																																
	6	2013	NAVY	1	1	0																						0				
	6	2014	NAVY	1	1	0																						0				
	6	2015	NAVY	1	1	0																						0				
	7	2016	NAVY	1	1	0																						0				
	6	2017	NAVY	1	0	1																						0				
2.3) FIP																																
	8	2015	NAVY	1	1	0																						0				
	8	2016	NAVY	1	1	0																						0				
	8	2017	NAVY	1	0	1																						0				
4) Electronic Security System (ESS) Replacement/Upgrade																																
4.1) Electronic Security System (ESS) Replacement Update																																
	9	2016	NAVY	1	1	0																						0				
17) Briefing Displaying System (BDS) Upgrade - NAVCENT																																
17.1) Briefing Display System Upgrade ⁽¹³⁾																																
✓	10	2017	NAVY	1	0	1		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0				
							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	B	A	P	A	U	J	J	A	S
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	U	L	U	P

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Exhibit P-21, Production Schedule: PB Amended 2017 Navy	Date: November 2016
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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8106 / Command Support Equipment	Aggregated Items: Command Support Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	ServiceNow ⁽¹⁵⁾ - San Diego, CA				2	0	2	2	0	0	0	0
2	One Dell Way - Round Rock TX 78682				0	0	1	1	0	0	0	0
3	Iron Brick - McLean, VA				0	0	1	1	0	0	0	0
4	M2 Technology, Inc - UNKNOWN				0	8	2	10	0	0	0	0
5	HPCISCO - New MFG - Loc				0	8	2	10	0	0	0	0
6	NAVSUP - Mechanicsburg, PA				3	0	0	0	0	0	0	0
7	Unknown - Unknown				0	0	0	0	0	0	0	0
8	SPAWAR - North Charleston, SC				0	0	6	6	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽¹⁵⁾ Performing Business Case; ServiceNow is the recommended vendor.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8108 / Education Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.248	0.874	3.180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	6.302
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2.248	0.874	3.180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	6.302
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.248	0.874	3.180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	6.302

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

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

Description:

Beginning in FY17, funding is consolidated under LI 8101 Training and Education Equipment.

The U. S. Naval Academy's mission is to ensure the best educated and most qualified junior officers enter the naval service. The Academy must maintain the highest standards in academic disciplines and supporting infrastructure. Planned upgrades and replacements are vital in ensuring graduates are technologically prepared to serve in tomorrow's Fleet and Fleet Marine Force while supporting institutional accreditation and competitiveness with peer institutions.

A. Universal Wireless Telecommunications System - DAS Cellular (\$1,585K FY 2016):

FY 2013 provides upgrades of existing telecommunications system to enhance cellular coverage within the historic Bancroft Hall dormitory for midshipmen quality of life and personal safety benefits. Existing mobile communications coverage within this 1.4 million square foot historic facility is inadequate to accommodate evolving midshipmen, staff and faculty needs. The envisioned provider-neutral solution will include a distributed antenna system (DAS) enabling robust signal coverage for the benefit of all occupants. FY 2016 follow-on extends cellular coverage to academic buildings for enhancement of classroom and laboratory instruction as existing mobile communications coverage within these facilities is inadequate to accommodate evolving science, technology, engineering and math (STEM) and cyber computing needs of midshipmen, faculty and staff.

B. LAN Room Entry Control and Video Surveillance (\$474K in FY 2015):

Provides current technology capability for management and protection of the Academy's numerous distributed local area network equipment spaces. The system will provide integrated card reader systems for controlled access and cameras for real-time and recorded playback of critical infrastructure locations to ensure a safe and secure enterprise computing environment.

C. Primary Storage System Replacement (\$400K in FY 2015):

Provides for IT hardware and software in support of the data storage simplification and redundancy for mission's execution and continuity. The proposed replacement system will facilitate on-site back-up and recovery activities in maximizing enterprise system user availability.

D. Bridge Simulator Upgrade (\$491K in FY 2016):

Provides life-cycle upgrades to extend the useful life of two existing full-mission bridge simulator devices used for watchstanding training and qualification of midshipmen. It is also used for demonstrations of ship handling and navigation learning points not otherwise possible to convey through existing underway laboratories (i.e. Yard Patrol Craft).

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8108 / Education Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		

E. Virtual Desktop Infrastructure (\$315K in FY 2016):
Provides lifecycle replacement of outdated electronic classroom workstations and operating systems by standardizing content delivery through central hosting to reduce operating costs and information assurance risks.

F. NMR Spectrometer Replacement (\$442K in FY 2016):
Replaces an existing Nuclear Magnetic Resonance (NMR) data acquisition device acquired in FY 2004. The device permits spectral analysis of a wide variety of chemical compounds in support of curriculum requirements. The American Chemical Society guidelines specifically list an operational NMR spectrometer as a requirement for accreditation.

G. Library Circulation System Replacement (\$347K in FY 2016):
Provides upgrades to the existing library circulation, inventory and security system. Provides more efficient use of staff time by permitting simultaneous processing of materials and automatically updating system records without need for repeat data entry errors. Replaces existing, obsolete, manual barcode system with industry-standard, distributed solution typically found in facilities of this type.

[P40A / A. Universal Wireless Telecommunications System]: Provides upgrades of existing telecommunications system to enhance cellular and Wi-Fi coverage within the historic Bancroft Hall dormitory for midshipmen quality of life and personal safety benefits. Existing mobile communications coverage within this 1.4 million square foot historic facility is inadequate to accommodate evolving midshipmen, staff and faculty needs. The envisioned provider-neutral solution will include a distributed antenna enabling robust signal coverage for the benefit of all occupants. FY 2013 follow-on extends cellular and Wi-Fi coverage to academic buildings for enhancement of classroom and laboratory instruction as existing mobile communications coverage within these facilities is inadequate to accommodate evolving science, technology, engineering and math (STEM) and cyber computing needs of midshipmen, faculty and staff.

[P40A / B. Primary Storage System Replacement]: Provides for IT hardware and software in support of the data storage simplification and redundancy for mission's execution and continuity. The proposed replacement system will facilitate on-site back-up and recovery activities in maximizing enterprise system user availability. Future periodic replacement will be required to maintain technological currency and meet increased storage demand.

[P40A / D. LAN Room Video Surveillance]: Provides for management and protection of the Academy's numerous distributed local area network equipment spaces. The system will provide cameras for real-time and recorded playback of critical infrastructure locations to ensure a safe and secure enterprise computing environment.

[P40A / H. NMR Spectrometer Replacement]: Replaces an existing Nuclear Magnetic Resonance (NMR) data acquisition device acquired in FY 2004. The device permits spectral analysis of a wide variety of chemical compounds in support of curriculum requirements. The American Chemical Society guidelines specifically list an operational NMR spectrometer as a requirement for accreditation.

[P40A / I. Library Circulation System Replacement]: Provides upgrades to the existing library circulation, inventory and security system. Provides more efficient use of staff time by permitting simultaneous processing of materials and automatically update system records without need for repeat data entry errors. Replaces existing, obsolete, manual barcode system with industry-standard, distributed solution typically found in facilities of this type.

[P40A / J. Virtual Desktop Infrastructure]: Provides lifecycle replacement of outdated electronic classroom workstations and operating systems by standardizing content delivery through central hosting to reduce operating costs and information assurance risks.

[P40A / N. Bridge Simulator Upgrade]: Provides life-cycle upgrades to extend the useful life of two existing full-mission bridge simulator devices used for watchstanding training and qualification of midshipmen. It is also used for demonstrations of ship handling and navigation learning points not otherwise possible to convey through existing underway laboratories (i.e. Yard Patrol Craft).

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8108 / Education Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Education Support Equipment	P-5a, P-21			- / 2.248	- / 0.874	- / 3.180	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 2.248	- / 0.874	- / 3.180	- / 0.000	- / 0.000	- / 0.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8108 / Education Support Equipment **Aggregated Items Title:** Education Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) U.S. Naval Academy (USNA)																				
1.1) A. Universal Wireless Telecommunications System ^(†)	A		2,248K	1	2.248	-	-	-	1,560K	1	1.560	-	-	-	-	-	-	-	-	-
1.2) B. Primary Storage System Replacement ^(†)	A		-	-	-	466,000.00	1	0.466	-	-	-	-	-	-	-	-	-	-	-	-
1.3) D. LAN Room Video Surveillance ^(†)	A		-	-	-	408,000.00	1	0.408	-	-	-	-	-	-	-	-	-	-	-	-
1.4) H. NMR Spectrometer Replacement ^(†)	A		-	-	-	-	-	-	450,000.00	1	0.450	-	-	-	-	-	-	-	-	-
1.5) I. Library Circulation System Replacement ^(†)	A		-	-	-	-	-	-	350,000.00	1	0.350	-	-	-	-	-	-	-	-	-
1.6) J. Virtual Desktop Infrastructure ^(†)	A		-	-	-	-	-	-	320,000.00	1	0.320	-	-	-	-	-	-	-	-	-
1.7) N. Bridge Simulator Upgrade ^(†)	A		-	-	-	-	-	-	500,000.00	1	0.500	-	-	-	-	-	-	-	-	-
Subtotal: 1) U.S. Naval Academy (USNA)			-	-	2.248	-	-	0.874	-	-	3.180	-	-	-	-	-	-	-	-	-
Total			-	-	2.248	-	-	0.874	-	-	3.180	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Number / Title: 8108 / Education Support Equipment	Aggregated Items: Education Support Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) U.S. Naval Academy (USNA)												
1.1) A. Universal Wireless Telecommunications System		2013	UNKNOWN / UNKNOWN	C / FP	GSA Washington	Jun 2014	Jul 2014	1	2,248K	Y	Dec 2013	Apr 2014
1.1) A. Universal Wireless Telecommunications System		2016	UNKNOWN / UNKNOWN	C / FP	FLC, PHILADELPHIA	Jun 2016	Jul 2016	1	1,560K	N	Dec 2015	Apr 2016
1.2) B. Primary Storage System Replacement ^(†)		2015	UNKNOWN / UNKNOWN	C / FP	FLC, PHILADELPHIA	Apr 2015	May 2015	1	466,000.00	N	Feb 2015	Mar 2015
1.3) D. LAN Room Video Surveillance		2015	UNKNOWN / UNKNOWN	C / FP	WSS, MECHANICSBURG	Mar 2015	May 2015	1	408,000.00	N	Jan 2015	Feb 2015
1.4) H. NMR Spectrometer Replacement		2016	UNKNOWN / UNKNOWN	C / FP	FLC, PHILADELPHIA	Mar 2016	May 2016	1	450,000.00	N	Jan 2016	Feb 2016
1.5) I. Library Circulation System Replacement		2016	UNKNOWN / UNKNOWN	C / FP	FLC, PHILADELPHIA	Jun 2016	Jul 2016	1	350,000.00	N	Dec 2015	Apr 2016
1.6) J. Virtual Desktop Infrastructure		2016	UNKNOWN / UNKNOWN	C / FP	FLC, PHILADELPHIA	Mar 2016	May 2016	1	320,000.00	N	Jan 2016	Feb 2016
1.7) N. Bridge Simulator Upgrade ^(†)		2016	TBD / TBD	C / FP	FLC, PHILADELPHIA	Mar 2016	May 2016	1	500,000.00	N	Dec 2016	Feb 2016

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8108 / Education Support Equipment	Aggregated Items: Education Support Equipment
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Items <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							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) U.S. Naval Academy (USNA)																															
1.2) B. Primary Storage System Replacement																															
11		2015	NAVY	1	1	0																							0		
1.7) N. Bridge Simulator Upgrade																															
12		2016	NAVY	1	0	1																							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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Exhibit P-21, Production Schedule: PB Amended 2017 Navy	Date: November 2016
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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8108 / Education Support Equipment	Aggregated Items: Education Support Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	UNKNOWN - UNKNOWN				0	0	0	0	0	0	0	0	0
2	TBD - TBD				0	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8109 / Medical Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	7.723	2.108	4.790	4.128	5.000	9.128	4.978	4.543	5.209	4.705	17.204	60.388
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	7.723	2.108	4.790	4.128	5.000	9.128	4.978	4.543	5.209	4.705	17.204	60.388
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.723	2.108	4.790	4.128	5.000	9.128	4.978	4.543	5.209	4.705	17.204	60.388

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

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

Description: Included in this amended request is FY 2017 Overseas Contingency Operations (OCO) funding for Operation Inherent Resolve (OIR) in the amount of \$5M for recapitalization of a ten bed Expeditionary Medical Unit (EMU) deployed in September 2016.

This line item provides funding for the Medical Support Equipment (MSE) and the Fleet Hospital/Expeditionary Medical Facility (EMF) Programs.

The Medical Support Equipment (MSE) program funds new medical capability and new technology on naval operating ships. Medical Support Equipment configuration management, spares, technical manuals and installations are also funded through this line item. Requirements are determined through Commander, U.S. Fleet Forces Command and Commander, U.S. Pacific Fleet, and procurement is managed by Naval Medical Logistics Command (NAVMEDLOGCOM). Funding is used to procure modifications or additions to the ships' allowance items that are identified within the Authorized Medical Allowance List (AMAL) and Authorized Dental Allowance List (ADAL). AMALs and ADALs are unique to specific classes or types of ship or Commands to fulfill its intended health care mission. AMAL and ADAL allowances are approved by the respective Fleet Type Commander (TYCOM) Force Surgeon with concurrence by the Commander, Fleet Forces Command Surgeon. The initiation of a change to the current depth (allowance amount) of material or addition of a new allowance for an item(s) within an AMAL or ADAL results from either a change in the scope of care a specific ship must provide in accordance with its Required Operational Capability (ROC) and Projected Operational Environment (POE) and/or a change in the standard of medical care the assigned personnel are expected to provide. Changes to AMAL and ADAL requirements are determined through Individual Allowance Change Requests, as a result of reviews chaired by TYCOM Fleet Surgeons.

The Fleet Hospital/Expeditionary Medical Facility (EMF) program funds critical medical equipment to support and provide theater hospitalization capabilities (commonly referred to as Role III Care) as defined in Joint Publication 4-02 Health Services Support and the EMF ROC and POE. This funding is used to procure investment equipment that supports the standard of care for Casualty Management as determined by the DoD Combat Trauma Surgery Committee.

This line item also includes funding for the Hospital Ships (USNS Comfort (Fleet Forces Command) and USNS MERCY (PACFLT)) major systems replacement. The program is part of the standardization and life cycle management of the MERCY Class Hospital ships sustainability plan.

Funds in this line item will be used to procure medical equipment from the AMAL/ADAL, and for major systems replacement, including:

YA001 - Direct Radiology System, and CAD CAM Milling Machine (Computer Aided Design and Computer Aided Manufacturing).

YA001 - Computed Axial Tomography (CAT) Scan system; funding will cover one (1) unit per prepositioned Expeditionary Medical Facility.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8109 / Medical Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>YA001 - Digital X-Ray Shelters; funding will cover one (1) Digital X-Ray Shelter per prepositioned Expeditionary Medical Facility to provide higher resolution diagnostic images, which provide digital storage capability, and alleviates the need for chemical processors.</p> <p>[P40A / YA001 - Expeditionary Medical Unit (EMU) Recapitalization]: Expeditionary Medical Unit (EMU) Recapitalization funds are requested to recapitalize a ten-bed unit (EMU-10) deployed in September 2016 in support of Operation Inherent Resolve (OIR).</p> <p>[P40A / V7YA1 - Computerized Axial Tomography Scan Replacement (USFFC)]: Funding provided for the procurement and installation of a Computerized Axial Tomography (CAT) Scan for the USNS COMFORT. The CAT scan is an x-ray procedure that combines many x-ray images with the aid of a computer to generate cross-sectional views and, if needed, three-dimensional images of the internal organs and structures of the body. It is used to define normal and abnormal structures in the body and/or assist in procedures by helping to accurately guide the placement of instruments or treatments. This equipment is required in support of the hospital ship mission and to provide a similar standard of care on the hospital ships to what a patient would receive in other Navy Military Facilities (fixed or expeditionary).</p> <p>[P40A / V7YA1 - Rad Fluoro Replace w/Wireless Digital Imaging Option (USFFC)]: Procure and install Radiographic Fluoroscopy Replacement System with wireless digital radiology imaging option for USNS COMFORT. The system provides digital storage capability of images and alleviates the need for chemical processors. R/F systems are used for diagnostic radiographic and fluoroscopic examinations. Most allow spot filming of an image to produce an x-ray film for later detailed study including those that use contrast media such as gastrointestinal or cardio studies.</p> <p>[P40A / V7YA1 - O2N2 Automated Control System (USFFC)]: Automation upgrade to modernize and make the existing O2N2 plant safer & simpler for the end user to operate while increasing overall reliability. The existing O2N2 producer is outfitted with a legacy control system that makes it difficult for the end user to timely produce liquid oxygen at required purity and volume. The automation will control plant parameters in a more precise manner allowing the plant to produce more high purity liquid oxygen per unit time. It will provide the end user with trending data of all plant parameters that will greatly assist with troubleshooting and diagnostics and will be in compliance with ISO 9001 standards. By allowing the plant to operate more efficiently, less time is needed to achieve purity reducing production run times which results in realized fuel and maintenance savings. This equipment is required in support of the hospital ship mission and to provide a similar standard of care on the hospital ships to what a patient would receive in other Navy Military Facilities (fixed or expeditionary).</p> <p>[P40A / 184A - Anesthesia Units]: Anesthesia Units: Funding will provide anesthesia units aboard the USNS MERCY, which dispense a mixture of gases and vapor and vary the proportions to control a patient's level of consciousness and/or analgesia during surgical procedures.</p> <p>[P40A / 184A - Computerized Axial Tomography (CAT) Scan Replacement]: Computerized Axial Tomography(CAT) Scan Replacement (MLC): Funding provided for the procurement and installation of a Computerized Axial Tomography (CAT) Scan for the USNS MERCY. The CAT scan is an x-ray procedure that combines many x-ray images with the aid of a computer to generate cross-sectional views and, if needed, three-dimensional images of the internal organs and structures of the body.</p> <p>[P40A / 184A - Infusion Pump, Multi-therapy]: Infusion Pump, Multi-therapy Infusion: Funding provides Multi-therapy Infusion pumps for the USNS MERCY, and are used to deliver agents from syringes or collapsible bags and are small enough to be worn or carried by patients. They are used on patients that require repeated or continuous infusions.</p> <p>[P40A / 184A - Radiographic Fluoroscopy w/Wireless Digital Imaging Option]: Radiographic Fluoroscopy Replacement with Wireless Digital Imaging Option (MLC): Procure and install Radiographic Fluoroscopy Replacement System with wireless digital radiology imaging option for USNS MERCY. The system is used for diagnostic radiographic and fluoroscopic examinations, and provides digital storage capability of images and alleviates the need for chemical processors.</p> <p>[P40A / 184A - Simulator, Environmental Detector/Monitor]: Procure Simulator, environmental detector/monitor(with Operators Training). Patient simulator is used as an advanced training unit that can display neurological symptoms as well as physiological. It provides realistic patient simulation training to Doctors, Nurses, and Hospital Corpsmen onboard the USNS MERCY during patient casualty drills.</p> <p>[P40A / 184A - Detector/X-Ray Digital Radiography]: Procure and install Detector that is compatible with current Mobile Radiology units onboard the USNS MERCY. Wireless x-ray detectors replaced the radiographic cassettes. It's a digital pad that receives radiographic rays from the X-Ray unit that produces the image for radiological diagnostics.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8109 / Medical Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>[P40A / 184A - Electrosurgical Unit, Monopolar/Bipolar]: Procure Electrosurgical unit(with Test equipment, Operators Training, and repair and maintenance training). ESU's is a full-featured electrosurgical system that provides electrosurgical cutting and coagulation, bipolar functionality, and vessel sealing during surgical procedures.</p> <p>[P40A / 184A - Radiographic System, Digital]: Procure and install Radiographic Replacement System with wireless digital radiology imaging option for USNS MERCY. The system is used for diagnostic radiographic examinations, and provides digital storage capability of images.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip /
 BSA 2: Command Support Equipment **P-1 Line Item Number / Title:**
 8109 / Medical Support Equipment

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Medical Support Equipment	P-5a			- / 7.723	- / 2.108	- / 4.790	- / 4.128	- / 5.000	- / 9.128
P-40	Total Gross/Weapon System Cost				- / 7.723	- / 2.108	- / 4.790	- / 4.128	- / 5.000	- / 9.128

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

Funding required to support the healthcare readiness needs of Navy's operating forces.

FY 2017 decrease in Medical Support Equipment OPN by \$0.174M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

OCO:

Included in this amended request is FY 2017 Overseas Contingency Operations (OCO) funding for Operation Inherent Resolve (OIR) in the amount of \$5M for recapitalization of a ten bed Expeditionary Medical Unit (EMU) deployed in September 2016. Funds support the procurement/installation of EMU Civil Engineering Support Equipment (CESE) to include 1 4K Forklift, 1 Semitrailer Low Bed, 1 Semitrailer Flat Bed, 7 Stake Bed Trucks, 1 25 Ton tractor Trucks, 1 Ambulance, and miscellaneous support gear.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy															Date: November 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8109 / Medical Support Equipment					Aggregated Items Title: Medical Support Equipment										
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) BUMED (BSO 18) (1)																				
1.1) YA001 - Direct Digital Radiology - Procurement (2)(t)	A		193,000.00	21	4.053	340,000.00	4	1.360	340,000.00	3	1.020	340,000.00	3	1.020	-	-	-	340,000.00	3	1.020
1.2) YA001 - Direct Digital Radiology - Installation(t)	A		85,875.00	8	0.687	200,000.00	3	0.600	204,000.00	4	0.816	208,000.00	3	0.624	-	-	-	208,000.00	3	0.624
1.3) YA001 - Direct Digital Radiology System (Partial System; Procurement) (3)(t)	A		115,500.00	2	0.231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) YA001 - Direct Digital Radiology System (Partial System; Installation) (4)(t)	A		20,000.00	1	0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) YA001 - Computerized Axial Tomography (CAT) Scan Replacement (5)(t)	A		1,300K	1	1.300	-	-	-	1,138K	1	1.138	-	-	-	-	-	-	-	-	-
1.8) YA001 - Digital X-Ray Shelters (6)(t)	A		-	-	-	-	-	-	-	-	-	760,000.00	1	0.760	-	-	-	760,000.00	1	0.760
1.9) YA001 - Logistics Support	A		-	-	-	-	-	0.148	-	-	0.026	-	-	0.044	-	-	-	-	-	0.044
1.10) YA001 - Blood Bank Outfitting (7)(t)	A		14,000.00	33	0.462	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.11) YA001 - HIV Post Exposure Prophylactic Kit Outfitting (8)(t)	A		5,808.38	167	0.970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.12) YA001 - Expeditionary Medical Unit (EMU) Recapitalization (9)(t)	A		-	-	-	-	-	-	-	-	-	-	-	0.000	5,000K	1	5.000	5,000K	1	5.000
Subtotal: 1) BUMED (BSO 18)			-	-	7.723	-	-	2.108	-	-	3.000	-	-	2.448	-	-	5.000	-	-	7.448
2) U.S. Fleet Forces Command (BSO 60)																				
2.1) V7YA1 - Computerized Axial Tomography Scan Replacement (USFFC)(t)	A		-	-	-	-	-	-	-	-	-	845,000.00	1	0.845	-	-	-	845,000.00	1	0.845

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8109 / Medical Support Equipment **Aggregated Items Title:** Medical Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
2.3) V7YA1 - O2N2 Automated Control System (USFFC) ^(†)	A		-	-	-	-	-	-	901,000.00	1	0.901	-	-	-	-	-	-	-	-	-
Subtotal: 2) U.S. Fleet Forces Command (BSO 60)			-	-	0.000	-	-	-	-	-	0.901	-	-	0.845	-	-	-	-	-	0.845
3) PACFLT (BSO 70)																				
3.1) 184A - Anesthesia Units ^(†)	A		-	-	-	-	-	-	68,384.62	13	0.889	-	-	-	-	-	-	-	-	-
3.2) 184A - Computerized Axial Tomography (CAT) Scan Replacement ^(†)	A		-	-	-	-	-	-	-	-	-	835,000.00	1	0.835	-	-	-	835,000.00	1	0.835
Subtotal: 3) PACFLT (BSO 70)			-	-	0.000	-	-	-	-	-	0.889	-	-	0.835	-	-	-	-	-	0.835
Total			-	-	7.723	-	-	2.108	-	-	4.790	-	-	4.128	-	-	5.000	-	-	9.128

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8109 / Medical Support Equipment	Aggregated Items Title: Medical Support Equipment

Footnotes:

- (1) (Note: Unit costs may not multiply exactly to total costs due to rounding). These funds are to be used to procure new technology requirements introduced to the FLEET during recent AMAL/ADAL review. Implementation focuses on L-decks and Carriers meeting Required Operational Capability in response to changes in standard of medical care provided to the ship's force by organic medical teams. Ships identified to be outfitted with these requirements as well as the required quantities are determined by FFC but may change prior to targeted implementation dates outlined in this submittal. Furthermore, the total equipment cost is expected to increase due to the likelihood of Ship Configuration Change factors and the proliferation of medical technology over 3 years prior to implementation.
- (2) --- The Direct Digital Radiology system is required to keep pace with the advanced nature of diagnostic imaging. It is a form of X-Ray imaging, in which digital X-ray sensors are used instead of traditional photographic film. This provides shipboard medical personnel the capability to digitally process, and store images thereby reducing film development time, maintenance, and storage costs. This also provides seamless integration of digital imaging with other systems used in Telemedicine, creating a more efficient process that bypasses chemical processing and provides the ability to digitally transfer and enhance images. Using an existing DLA-TS IDIQ Contract, NMLC will procure equipment from AGFA Health Care. --- The installation and related procurement plan for Direct Digital Radiology units reflects ship availability for installation periods (per data from the Navy Data Environment database). Equipment is procured in the year preceding installation. --- Units will be procured as follows: 4 in FY15 (CVN-74, CVN-75, LHD-2 and LHD-8); 3 in FY16 (CVN-76, CVN-77 and LHD-3); 3 in FY17 (to include CVN-69, CVN-71 and LHD-1); and 3 per year for FY18-21. Prior year activity reflects procurement of 7 units in FY13 and 14 units (portable version) in FY14; and installation of 7 units in FY13 and 1 in FY14.
- (3) -- Prior year activity for Direct Digital Radiology (Partial System; Procurement) reflects 1 unit in FY13 and 1 in FY14.
- (4) -- Prior year activity for Direct Digital Radiology System (Partial System; Installation) reflects 1 unit in FY13.
- (5) --- The Computed Axial Tomography (CAT) Scan system is primarily used for medical imaging that supports or helps establish the diagnosis of a certain type of disease after more primitive diagnostic exams have been performed, like the X-ray and standard ultrasound. The CAT scan provides a critical diagnostic tool in the field of Expeditionary Medicine in that it can help in the emergent diagnosis of brain injuries, bleeding within body cavities, and bone malformations.
- (6) A Digital X-Ray Shelter is a filmless radiographic system that provides higher resolution diagnostic images of patients. The Expeditionary Medical Facilities are tasked to provide Level 3 Theater Surgical Care for deployed military and civilian personnel at risk. The current "standards of medical care" now require that this capability be available as part of the Theater Hospitalization. One (1) Digital X-Ray unit is slated for each of the current prepositioned hospitals as a "phased replacement" for the obsolete film based X-ray systems/units.
- (7) --- Blood Bank Outfitting (1 per CVN, LPD, LSD and LHA).
- (8) --- HIV Post Exposure Prophylactic Kit Outfitting (2 kits per CVN and 1 kit per LPD, LSD, LHA, DD, DDG, CG, FFG and MSC ships). --- Post-exposure prophylaxis (PEP) is a short-term antiretroviral treatment to reduce the likelihood of HIV infection after potential exposure occupationally. Within Navy Medicine, PEP is provided to medical care provider onboard ships as part of a comprehensive universal precautions package that reduces staff exposure to infectious hazards at work.
- (9) Expeditionary Medical Unit (EMU) Recapitalization funds are requested to recapitalize a ten-bed unit (EMU-10) deployed in September 2016 in support of Operation Inherent Resolve (OIR). The EMU-10 is tasked to provide Level 3 Theater Surgical Care for deployed military and civilian personnel at risk. The Fleet Hospital Program is comprised of scalable, modular, rapidly erectable Expeditionary Medical Facilities (EMFs) that provide comprehensive medical support to U.S. and allied forces in the event of combat or contingency operations. BUMED is funded to equip and maintain a total of four EMU-10 units. EMU-10's provide Level 2 care to patients in theater and include the following capabilities: (2) Operating Room Tables (4) Intensive Care Unit (ICU) beds (6) Acute Care Wing (ACW) beds Base Tent Configuration Completion of operational set up within 24 hours EMU-10 recapitalization includes Non-consumables; \$2,900K Generators & Insta Berms; \$130K Information Technology; \$210K 30 Day Supply Block (includes Surgical Equipment, Pharmaceuticals, MREs, and other supplies); \$370K Ambulance, Semitrailer and Trucks; \$1.4M TOTAL; \$5,000K

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8109 / Medical Support Equipment					Aggregated Items: Medical Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) BUMED (BSO 18)												
1.1) YA001 - Direct Digital Radiology - Procurement ⁽²⁾		2013	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick, MD	May 2013	Sep 2013	7	294,192.43	Y		
1.1) YA001 - Direct Digital Radiology - Procurement ⁽²⁾		2014	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick, MD	May 2014	Sep 2014	14	142,455.57	Y		
1.1) YA001 - Direct Digital Radiology - Procurement ⁽²⁾		2015	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick, MD	May 2015	Sep 2015	4	340,000.00	Y		
1.1) YA001 - Direct Digital Radiology - Procurement ⁽²⁾		2016	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick, MD	May 2016	Sep 2016	3	340,000.00	Y		
1.1) YA001 - Direct Digital Radiology - Procurement ⁽²⁾		2017	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick, MD	May 2017	Sep 2017	3	340,000.00	Y		
1.2) YA001 - Direct Digital Radiology - Installation		2013	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Sep 2013	Sep 2013	7	85,860.00	Y		
1.2) YA001 - Direct Digital Radiology - Installation		2014	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Sep 2014	Sep 2014	1	85,860.00	Y		
1.2) YA001 - Direct Digital Radiology - Installation		2015	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Sep 2015	Sep 2015	3	200,000.00	Y		
1.2) YA001 - Direct Digital Radiology - Installation		2016	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Sep 2016	Sep 2016	4	204,000.00	Y		
1.2) YA001 - Direct Digital Radiology - Installation		2017	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Sep 2017	Sep 2017	3	208,000.00	Y		
1.3) YA001 - Direct Digital Radiology System (Partial System; Procurement) ⁽³⁾		2013	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick, MD	May 2014	Mar 2015	1	117,567.50	Y		
1.3) YA001 - Direct Digital Radiology System (Partial System; Procurement) ⁽³⁾		2014	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick, MD	May 2014	Mar 2015	1	113,000.00	Y		
1.4) YA001 - Direct Digital Radiology System (Partial System; Installation) ⁽⁴⁾		2013	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Mar 2015	Mar 2015	1	20,000.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8109 / Medical Support Equipment	Aggregated Items: Medical Support Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.7) YA001 - Computerized Axial Tomography (CAT) Scan Replacement ⁽⁵⁾		2014	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Aug 2014	Aug 2015	1	1,300K	Y		
1.7) YA001 - Computerized Axial Tomography (CAT) Scan Replacement ⁽⁵⁾		2016	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	May 2016	May 2017	1	1,138K	Y		
1.8) YA001 - Digital X-Ray Shelters ⁽⁶⁾		2017	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	May 2017	May 2018	1	760,000.00	Y		
1.10) YA001 - Blood Bank Outfitting ⁽⁷⁾		2014	NMLC/Fort Detrick MD / NMLC/Fort Detrick MD	C / FP	NMLC - Fort Detrick MD	Apr 2014	Jun 2014	33	14,000.00	Y		
1.11) YA001 - HIV Post Exposure Prophylactic Kit Outfitting ⁽⁸⁾		2014	NMLC - Fort Detrick MD / NMLC - Fort Detrick MD	C / FP	NMLC/Fort Detrick MD	Sep 2014	Sep 2014	167	5,808.38	Y		
1.12) YA001 - Expeditionary Medical Unit (EMU) Recapitalization ⁽⁹⁾	✓	2017	TBD / TBD	TBD	TBD	Sep 2017	Sep 2017	1	5,000K	N		
2) U.S. Fleet Forces Command (BSO 60)												
2.1) V7YA1 - Computerized Axial Tomography Scan Replacement (USFFC)		2017	General Electric Co. / Waukesha, WI 53188-1615	C / FFP	NMLC-Fort Detrick, MD	Jan 2017	Jan 2017	1	845,000.00	N		
2.3) V7YA1 - O2N2 Automated Control System (USFFC)		2016	Cold LLC / Stratford, CT	C / FFP	NMLC - Fort Detrick MD	Jan 2016	Jan 2016	1	901,000.00	Y		
3) PACFLT (BSO 70)												
3.1) 184A - Anesthesia Units		2016	TBD ⁽¹⁰⁾ / TBD	C / TBD	NMLC - Fort Detrick, MD	Jan 2016	Jan 2017	13	68,384.62	Y		Jan 2016
3.2) 184A - Computerized Axial Tomography (CAT) Scan Replacement		2017	TBD / TBD	C / TBD	NMLC - Fort Detrick MD	Sep 2017	Sep 2018	1	835,000.00	Y		Dec 2016

Footnotes:

⁽¹⁰⁾ Manufacturer to be determined upon award of contract.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0305192N	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	4.333	3.573	4.608	1.925	0.000	1.925	2.024	2.044	2.573	2.115	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	4.333	3.573	4.608	1.925	0.000	1.925	2.024	2.044	2.573	2.115	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.333	3.573	4.608	1.925	0.000	1.925	2.024	2.044	2.573	2.115	Continuing	Continuing

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

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

Description:

DRP:

This effort is to procure, install and configure critical Maritime Intelligence applications to include servers and remaining storage systems at the Eastern Disaster Recovery Center (DRC).

Fleet SCI IT:

This effort is to deliver and sustain SCI network access and information technology tools to the Naval Intelligence Community ashore. This includes desktop hardware, software, and peripherals, network equipment, server hardware and software, video teleconferencing devices, secure voice over IP telephones.

Navy SCI IA:

The Navy SCI IA Worldwide program is focused on issuance of Authorities to Operate (ATO's) for all Navy systems that process, store, and/or transmit Sensitive Compartmented Information (SCI), to include tactical capabilities.

Utilizes the Intelligence Community Directive 503 (ICD 503) Risk Management Framework (RMF) to ensure Federal Information Security Management Act (FISMA) compliance.

[P40A / SCI IA]: Funding enables Navy tactical SCI program capabilities needed for the establishment of an initial capability and fully operational capability to meet full compliance with ICD 502 and provide active cyber defense and incident response of the information environment for the IC and establishes the framework for risk management and authorization (RMF) across all systems that process, store and/or transmit SCI

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0305192N	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Naval MIP Support Equipment	P-5a			- / 4.333	- / 3.573	- / 4.608	- / 1.925	- / -	- / 1.925
P-40	Total Gross/Weapon System Cost				- / 4.333	- / 3.573	- / 4.608	- / 1.925	- / 0.000	- / 1.925

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

Decrease to FY17 - Navy SCI IA funding reprogrammed to OMN in order to provide materials necessary for Information Assurance Certification of SCI-level classified networks afloat.

The FY 2017 request was reduced by -\$0.082 million as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8114 / Naval MIP Support Equipment **Aggregated Items Title:** Naval MIP Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) Naval MIP Support Equipment																				
1.1) Network Storage Systems ^(†)	A		336,375.00	8	2.691	1,060K	1	1.060	645,000.00	2	1.290	1,087K	1	1.087	-	-	-	1,087K	1	1.087
1.2) Computer Hardware Refresh ^(†)	A		901.10	455	0.410	2,000.00	315	0.630	1,976.38	127	0.251	2,006.41	156	0.313	-	-	-	2,006.41	156	0.313
1.3) Network Equipment upgrades/refresh ^(†)	A		10,000.00	30	0.300	10,000.00	40	0.400	10,000.00	25	0.250	10,000.00	25	0.250	-	-	-	10,000.00	25	0.250
1.4) Video Conference Equip refresh ^(†)	A		13,636.36	22	0.300	-	-	-	25,000.00	10	0.250	25,000.00	11	0.275	-	-	-	25,000.00	11	0.275
1.5) Solid State disk shelves and flash cache ^(†)	A		58,600.00	5	0.293	160,000.00	4	0.640	-	-	-	-	-	-	-	-	-	-	-	-
1.6) Network Storage Systems ^(†)	A		26,076.92	13	0.339	84,300.00	10	0.843	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Naval MIP Support Equipment			-	-	4.333	-	-	3.573	-	-	2.041	-	-	1.925	-	-	-	-	-	1.925
2) SCI IA^(†)																				
2.1) Equip/Software/Licenses ^(†)	A		-	-	-	-	-	-	1,291K	1	1.291	-	-	-	-	-	-	-	-	-
2.2) Upgrade tools ^(†)	A		-	-	-	-	-	-	1,276K	1	1.276	-	-	-	-	-	-	-	-	-
Subtotal: 2) SCI IA			-	-	0.000	-	-	-	-	-	2.567	-	-	-	-	-	-	-	-	-
Total			-	-	4.333	-	-	3.573	-	-	4.608	-	-	1.925	-	-	-	-	-	1.925

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

^(†) indicates the presence of a P-5a

Footnotes:

⁽¹⁾ Funding enables Navy tactical SCI program capabilities needed for the establishment of an initial capability and fully operational capability to meet full compliance with ICD 502 and provide active cyber defense and incident response of the information environment for the IC and establishes the framework for risk management and authorization (RMF) across all systems that process, store and/or transmit SCI

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment					Aggregated Items: Naval MIP Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Naval MIP Support Equipment												
1.1) Network Storage Systems I		2012	Network Appliance / Washington, DC	C / FFP	NAVICP, Mechanicsburg, PA	Mar 2012	Mar 2012	3	412,333.33	N	Jan 2012	Dec 2011
1.1) Network Storage Systems I		2013	Network Appliance / Washington, DC	C / FFP	NAVICP, Mechanicsburg, PA	Mar 2013	Mar 2013	3	484,666.67	N	Jan 2013	Dec 2012
1.1) Network Storage Systems I		2014	Network Appliance / Washington, DC	C / FFP	NAVICP, Mechanicsburg, PA	Mar 2014	Mar 2014	2	0.00	N		
1.1) Network Storage Systems I		2015	Network Appliance / Washington, DC	C / FFP	NAVICP, Mechanicsburg, PA	Oct 2014	Oct 2014	1	1,060K	N		
1.1) Network Storage Systems I		2016	Network Appliance / Washington, DC	C / FFP	** NO PCO **	Oct 2015	Oct 2015	2	645,000.00	N		
1.1) Network Storage Systems I		2017	Network Appliance / Washington, DC	C / FFP	** NO PCO **	Oct 2016	Oct 2016	1	1,087K	N		
1.2) Computer Hardware Refresh		2013	Network Appliance / Washington, DC	C / TBD	TBD	Mar 2013	Mar 2013	205	2,000.00	N	Jan 2013	Dec 2012
1.2) Computer Hardware Refresh		2014	Network Appliance / Washington, DC	C / TBD	TBD	Mar 2014	Mar 2014	250	0.00	N	Dec 2013	Dec 2013
1.2) Computer Hardware Refresh		2015	Network Appliance / Washington, DC	C / TBD	TBD	Mar 2015	Mar 2015	315	2,000.00	N	Dec 2014	Dec 2014
1.3) Network Equipment upgrades/ refresh		2013	TBD / TBD	C / TBD	TBD	Mar 2013	Mar 2013	30	10,000.00	N	Dec 2012	
1.4) Video Conference Equip refresh		2013	TBD / TBD	C / TBD	TBD	Mar 2013	Mar 2013	12	25,000.00	N	Dec 2012	
1.4) Video Conference Equip refresh		2014	TBD / TBD	C / TBD	TBD	Mar 2014	Mar 2014	10	0.00	N	Dec 2013	
1.5) Solid State disk shelves and flash cashe		2013	TBD / TBD	C / TBD	TBD	Mar 2013	Mar 2013	2	146,500.00	N	Dec 2012	
1.5) Solid State disk shelves and flash cashe		2014	TBD / TBD	C / TBD	TBD	Mar 2014	Mar 2014	3	0.00	N	Dec 2013	
1.6) Network Storage Systems		2013	TBD / TBD	C / TBD	TBD	Mar 2013	Mar 2013	4	84,750.00	N	Dec 2012	
1.6) Network Storage Systems		2014	TBD / TBD	C / TBD	TBD	Mar 2014	Mar 2014	9	0.00	N	Dec 2013	
2) SCIA												
2.1) Equip/Software/ Licenses		2016	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	1,291K	Y		
2.2) Upgrade tools		2016	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	1,276K	Y		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8118 / Operating Forces Supt Equip
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	14.209	0.000	5.655	4.777	0.000	4.777	5.136	5.236	5.345	5.469	-	45.827
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	14.209	0.000	5.655	4.777	0.000	4.777	5.136	5.236	5.345	5.469	-	45.827
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	14.209	0.000	5.655	4.777	0.000	4.777	5.136	5.236	5.345	5.469	-	45.827

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

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

Description:

This budget line item funds procurement of various items of equipment to support the operating forces at Naval Stations and related facilities, including, but not limited to the following:

Mobile Aircraft Fire Training Devices: Procurement of a trailer mounted fully-contained device that allows firefighters to conduct live fire fighting techniques to meet Naval Air Systems Command (NAVAIR) requirements. The device has interior and exterior fire scenario props to fully prepare the firefighters for aircraft firefighting and rescue missions. **Combination Interior and Structure Training Device:** Procurement of combination confined space, SCBA, Shipboard Sub, and structural fire fighter mobile trainer focused on interior aircraft and structure fire training evolutions to meet NAVAIR, DoN, and National Fire Protection Association (NFPA) requirements. The unit is used for live fire training and practical rescue exercises.

Cranes and/or Boat Hoists: Procurement of cranes/hoist of various types and sizes (Davit/Bridge/Portal/Gantry/Mobile Harbor). All are weight handling systems designed/selected to meet the specific requirements of the intended facility.

Fender/Bumper/Separator Systems: Procurement includes various size and shaped energy absorbing cushions placed between a pier and a ship/submarine or between two ships/submarines. Multiple fenders may be used with different size and types of ships. Various types of filling of air or other material may be procured. Standard type is hydro-pneumatic rubber fender made IAW ISO 17357. May be used for both submarine and surface ships.

Composite CVN Camels: Procurement of large floating metal or composite structures designed to maintain the proper distance for CV/CVNs to keep the ships from being damaged or damaging the pier structure.

DDG Separators: Procurement of large floating metal structures designed to maintain the proper distance for DDGs when nested outboard of another DDG. The separators will be used for the along-side mooring of DDG-51 Class ships for protection from ship-to-ship damage due to vessel maneuvers where vessel-to-vessel or vessel-to-pier contact may occur. The separators will be used typically in sets, i.e., two units per set.

Submarine Deep Draft Camels: Procurement of very large floating metal structures designed to maintain the proper distance for submarines to keep them from being damaged by the pier. These may be for specific submarine classes (e.g. Fast Attack), or universal (i.e. for all submarine classes).

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8118 / Operating Forces Supt Equip
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Universal Submarine Composite Camels: Procurement of universal pierside, composite camels used to breast submarines from piers/wharves. They are fabricated of universal composite material with a modular design. Size is approximately 36 ft W x 18 ft H x 17.6 ft D. Made per a standard NAVFAC drawing. Suitable for all classes of submarines.</p> <p>Utility and Maintenance/Paint Floats and Barges: Procurement of floating assets that are used by Port Operations and Ship's Force personnel to facilitate external ship work (blasting, painting, other maintenance). They can also be used as separators or camels. These can be towed into place, or may even be self-propelled. They may have permanent or movable work platforms installed as needed to assist in reaching work sites. Some may have self-ballasting mechanisms to help maintain stability. They come in various sizes.</p> <p>[P40A / Mobile Aircraft Training Devices]: Combination interior or structural training devices.</p> <p>[P40A / DDG Separators]: Large floating metal structures designed to maintain the proper distance for DDG's when nested outboard of another DDG. Also, provides protection from ship-to-ship damage due to vessel maneuvers or where vessel-to-pier contact may occur.</p> <p>[P40A / ESS & IDS NA-283]: Intrusion Detection System (IDS): IDS equipment includes the interior and exterior sensor, surveillance devices and associated communications subsystems that collectively detect intrusion at a specified site, facility, or perimeter.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip /
 BSA 2: Command Support Equipment **P-1 Line Item Number / Title:**
 8118 / Operating Forces Supt Equip

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Operating Forces Supt Equip	P-5a			- / 14.209	- / -	- / 5.655	- / 4.777	- / -	- / 4.777
P-40	Total Gross/Weapon System Cost				- / 14.209	- / 0.000	- / 5.655	- / 4.777	- / 0.000	- / 4.777

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 Mobile Aircraft Training Devices are necessary for the Navy's firefighters to meet minimum firefighting requirements and qualifications. Baseline budget replaces dilapidated equipment and procures new systems to ensure that the Navy's firefighters are able to keep up to date on technology and techniques of interior and/or exterior firefighting. Strategic placement of these devices will also minimize travel training costs and maximize our members training opportunities.

Baseline budget also procures replacement fenders/bumpers/separator systems to replace current inventory that will be at the end of their service life in FY17. These will be used at locations with heightened traffic and current infrastructure that is incapable of supporting the expanded requirement, specifically Jacksonville, FL and Pearl Harbor, HI.

FY 2017 decrease in Operating Forces Supt Equip OPN by \$0.201M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8118 / Operating Forces Supt Equip **Aggregated Items Title:** Operating Forces Supt Equip

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
1) Commander, Navy Installations Command (CNIC)																				
1.1) Mobile Aircraft Training Devices ^(†)	A		0.758	3	2.274	-	-	-	1.089	1	1.089	1.018	1	1.018	-	-	-	1.018	1	1.018
1.2) DDG Separators	A		0.378	3	1.133	-	-	-	-	-	-	0.421	1	0.421	-	-	-	0.421	1	0.421
1.3) Submarine Deep Draft Camel (N/S Design) (SEAWOLF) ^(†)	A		-	-	0.770	-	-	-	0.765	3	2.296	0.732	1	0.732	-	-	-	0.732	1	0.732
1.4) Submarine Deep Draft Camel (Redesign)	A		0.708	1	0.708	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) Paint Maintenance Barge (60 Foot Lift) ^(†)	A		-	-	-	-	-	-	0.465	2	0.930	0.482	1	0.482	-	-	-	0.482	1	0.482
1.6) Composite Submarine Camels	A		1.047	6	6.282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) Universal Triangular Submarine Separator (Re-Designed) ^(†)	A		0.342	1	0.342	-	-	-	0.280	3	0.840	-	-	-	-	-	-	-	-	-
1.9) Fenders/Bumpers P-383	A		2.700	1	2.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) ESS & IDS NA-283 ^{(1)(†)}	A		-	-	-	-	-	-	0.500	1	0.500	-	-	-	-	-	-	-	-	-
1.11) Hoist P-898 ⁽²⁾	A		-	-	-	-	-	-	-	-	-	0.486	1	0.486	-	-	-	0.486	1	0.486
1.13) THALES MK-20A ILS ⁽³⁾	A		-	-	-	-	-	-	-	-	-	1.638	1	1.638	-	-	-	1.638	1	1.638
Subtotal: 1) Commander, Navy Installations Command (CNIC)			-	-	14.209	-	-	-	-	-	5.655	-	-	4.777	-	-	-	-	-	4.777
Total			-	-	14.209	-	-	-	-	-	5.655	-	-	4.777	-	-	-	-	-	4.777

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:
⁽¹⁾ NA#283 ESS & IDS
⁽²⁾ Hoist
⁽³⁾ Air Ops

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8118 / Operating Forces Supt Equip	Aggregated Items: Operating Forces Supt Equip
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Commander, Navy Installations Command (CNIC)												
1.1) Mobile Aircraft Training Devices		2016	TBD / TBD	C / FP	DLA	Apr 2016	Apr 2017	1	1.089	Y		
1.3) Submarine Deep Draft Camel (N/S Design) (SEAWOLF)		2016	LBI / JB PEARL HARBOR-HICKAM	C / TBD	** NO PCO **	Oct 2015	Oct 2015	3	0.765	Y		
1.5) Paint Maintenance Barge (60 Foot Lift)		2016	Armstrong Marine, INC / JB PEARL HARBOR-HICKAM	C / FP	NSWC	Oct 2015	Oct 2015	2	0.465	Y		
1.7) Universal Triangular Submarine Separator (Re-Designed)		2016	Maritime International / NAVSTA NORFOLK	C / FP	NSWC	Oct 2015	Oct 2015	3	0.280	Y		
1.10) ESS & IDS NA-283 ⁽¹⁾		2016 ⁽⁴⁾	TBD / KITSAP, WA	C / TBD	NAVFAC	Jan 2016	Jan 2016	1	0.500	Y		

Footnotes:

⁽⁴⁾ curr

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8120 / C4ISR Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	68.472	24.459	9.929	9.073	0.000	9.073	9.224	9.446	6.574	9.590	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	68.472	24.459	9.929	9.073	0.000	9.073	9.224	9.446	6.574	9.590	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	68.472	24.459	9.929	9.073	0.000	9.073	9.224	9.446	6.574	9.590	Continuing	Continuing

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

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

Description:

Navy Expeditionary Command, Control, Communications, Computers, & Intelligence (C4I): Provides procurement and integration of Small, Medium and Large Scale Communication Systems converging to a common C4I baseline, Sensors, Blue Force Tracker within tactical vehicles, combatant craft, and Tactical/Command Operations Centers in support of outfitting Table of Allowance (TOA) requirements within Expeditionary forces. Ensures common C4I solutions are being coordinated, tracked, procured and integrated across Navy Expeditionary Forces (NEF).

[P5 / ROTHr Counternarcotics pc3217 (BSO 60)]: The Relocatable Over-The-Horizon Radar (ROTHR) system requires replacement shelters to house electronic equipment in close proximity to the antenna arrays. There are five different configurations of shelters totaling 89 of the various types. This procurement was for 32 of the shelters. Shelters are required to be replaced due to the age and deterioration of the existing shelters at all six ROTHr sites.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip /
 BSA 2: Command Support Equipment **P-1 Line Item Number / Title:**
 8120 / C4ISR Equipment

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / C4ISR Equipment	P-5a, P-21			- / 68.472	- / 24.459	- / 9.929	- / 9.073	- / 0.000	- / 9.073
P-40	Total Gross/Weapon System Cost				- / 68.472	- / 24.459	- / 9.929	- / 9.073	- / 0.000	- / 9.073

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY2017 funds required for procurement, integration and modernization of Small, Medium and Large Scale Communication Systems for Naval Expeditionary forces. Additionally, program funds procure, integrate and modernize tactical C4I, Satellite Communication-on-the-Move, Sensors, Expeditionary Mine Countermeasure Companies (Ex-MCM), and Blue Force Tracker for tactical vehicles and combatant crafts.

Background on EOD Expeditionary Mine Counter Measures Companies (Ex-MCM):
 In response to C5F Urgent Operation Needs Statement (UONS) to clear sea mines from shipping lanes in the CENTCOM Area of Responsibility (AOR), Expeditionary Mine Countermeasures (ExMCM) units were formed by combining Explosive Ordnance Disposal (EOD) dive forces with Speed to Fleet Fastlane Unmanned Systems (UMS) and Post Mission Analysis (PMA) Cells to provide rapidly deployable units of action that find, fix and finish mine threats in any environment (Littorals, enclosed littorals and the blue water), employable from any platform (surface ships, landward positions or air assets) with clearance rates that meet or exceed the fleets requirement. ExMCM has proven effective in C5F, is requested by C7F and is endorsed by Commander Fleet Forces Command as enduring. Funding is required to replace/recapitalize/improve the initial operational capability, to outfit/sustain full operational capability and to meet increased demand.

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Exhibit P-5, Cost Analysis: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8120 / C4ISR Equipment	Item Number / Title [DODIC]: 1 / C4ISR Equipment
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	68.472	24.459	9.929	9.073	0.000	9.073
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	68.472	24.459	9.929	9.073	0.000	9.073
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	68.472	24.459	9.929	9.073	0.000	9.073

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)

Hardware - Navy Expeditionary C4I (BSO 39) Cost

Recurring Cost																		
1.1.1) R2101 - Navy Expeditionary C4I - Active Component ⁽¹⁾	-	-	-	-	-	7.788	-	-	8.064	-	-	7.244	-	-	-	-	-	7.244
1.1.2) R2101 - Navy Expeditionary C4I - Reserve Component	-	-	-	-	-	1.850	-	-	1.865	-	-	1.829	-	-	-	-	-	1.829
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	9.638	-	-	9.929	-	-	9.073	-	-	-	-	-	9.073
<i>Subtotal: Hardware - Navy Expeditionary C4I (BSO 39) Cost</i>	-	-	-	-	-	9.638	-	-	9.929	-	-	9.073	-	-	-	-	-	9.073

Hardware - Maritime Expeditionary Security Force (MESF) (BSO 24) Cost

Recurring Cost																		
2.1.1) R2101 - MESF Upgrades - Active Component	-	-	66.427	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) R2101 - MESF Upgrades - Reserve Component	-	-	2.045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	68.472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Maritime Expeditionary Security Force (MESF) (BSO 24) Cost</i>	-	-	68.472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Hardware - Communication Equipment (BSO 60) Cost

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Exhibit P-5, Cost Analysis: PB Amended 2017 Navy												Date: November 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2						P-1 Line Item Number / Title: 8120 / C4ISR Equipment						Item Number / Title [DODIC]: 1 / C4ISR Equipment					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
Recurring Cost																		
3.1.1) ROTHRC Counternarcotics pc3217 (BSO 60) ^(†)	-	-	-	463,156.25	32	14.821	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	14.821	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Communication Equipment (BSO 60) Cost</i>	-	-	-	-	-	14.821	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	68.472	-	-	24.459	-	-	9.929	-	-	9.073	-	-	0.000	-	-	9.073

(†) indicates the presence of a P-5a

Footnotes:

(1) Quantities are not provided for either the Active or Reserve components since various piece parts are being procured for large-scale asset modernization. There are also no associated installation costs.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy							Date: November 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8120 / C4ISR Equipment				Item Number / Title [DODIC]: 1 / C4ISR Equipment					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.1) ROTHRC Counternarcotics pc3217 (BSO 60) ^(†)		2015	WILL-BURT ADVANCED COMPOSITES INC / ORRVILLE, OH	C / FFP	NAVSUP	Jan 2015	Jan 2016	32	463,156.25	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8120 / C4ISR Equipment	Item Number / Title [DODIC]: 1 / C4ISR Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												
							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
3.1.1) ROTHHR Counternarcotics pc3217 (BSO 60)																															
	1	2015	NAVY	32	0	32				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32		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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Exhibit P-21, Production Schedule: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8120 / C4ISR Equipment	Item Number / Title [DODIC]: 1 / C4ISR Equipment
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	WILL-BURT ADVANCED COMPOSITES INC - ORRVILLE, OH				0	3	12	15	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8126 / Environmental Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	48.965	18.030	23.009	21.107	0.000	21.107	25.405	28.662	28.548	29.115	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	48.965	18.030	23.009	21.107	0.000	21.107	25.405	28.662	28.548	29.115	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	48.965	18.030	23.009	21.107	0.000	21.107	25.405	28.662	28.548	29.115	Continuing	Continuing

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

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

Description:

PNN4A - ACOUSTIC MEASUREMENT SYSTEM Lifecycle replacement and upgrade of digital acoustic measurement systems used to collect data used to build gridded data bases of layered geoacoustic descriptions of the ocean floor and low frequency bottom loss databases, collect fleet anti-submarine warfare support measurements, produce high resolution anti-submarine warfare area assessment products, and serve to provide critical environmental input to fleet acoustic transmission loss models. System consists of multi-channel variable depth buoys, shipboard data acquisition, control, and processing support systems. Buoys acquire the data, provide signal conditioning and gain, and store the data in digital form.

PNN3A - ACOUSTIC POSITIONING SYSTEM (ULTRA SHORT BASELINE (USBL)) The Acoustic Positioning System (APS) is an Ultra Short Baseline (USBL) Acoustic Positioning System used to provide high accuracy navigation and location of towed bodies and Autonomous Underwater Vehicles (AUVs) deployed from T-AGS 60 oceanographic survey vessels. The APS is permanently installed aboard each vessel and supports tracking objects in any direction out to a 5000m radius. In addition, it is used to precisely locate lost vehicles or instrumentation for purposes of recovery. Current navigation techniques can be inaccurate as they rely on approximations resulting in imprecise location data and degraded environmental data. This can lead to a substantially increased processing time and increased risk of missed coverage. With the ability of APS to determine accurate location data, the cost, practicality, and search time to recover a lost vehicle is substantially reduced.

OPCDS - CROSS DOMAIN SOLUTION (CDS) Meteorology and Atmospheric data is a highly perishable, mission-essential element in planning for almost all operational missions performed by the United States Navy. Excessive time delays in dissemination of oceanographic and meteorological products/services may add significant risk to our operational forces. This CDS provides a mechanism by which oceanographic and meteorological products/services can be disseminated to DoD end users on the SIPRNET as it is collected and produced.

PNN6D - DEEP MULTIBEAM INSTALLATION The full ocean multibeam sonar system is the primary ocean mapping tool in greater than 300 meters of water to full ocean. The deep-water multibeam system will be a state-of-the-art commercial one by one degree multibeam having a maximum swath coverage of six times water depth. The survey system includes an integrated deep water sub-bottom profiler system. The system will be installed on all T-AGS 60 class ships as a life-cycle replacement for the existing deep water multibeam system (EM121A) which has exceeded its life expectancy and will no longer be supported by the manufacturer. Multibeam systems collect deep-water bathymetry data required to support special chart production for the Navy.

PNN6A - DIGITAL SIDE SCAN SONAR (SHIP) Additional high-speed, high resolution side scan sonar systems are required to meet fleet requirements supporting mine warfare operations. The intended system procured will be installed aboard USNS HENSON and additional T-AGS 60 class ships to replicate the system aboard USNS HEEZEN. The procurement will facilitate simultaneous collection of high resolution imagery at mine warfare resolutions and frequencies. The imagery data is required to generate products that directly support mine warfare, hydrographic and oceanographic requirements. Side scan sonar data

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>is critical for the detection of small mine-like targets as well as hazards-to-navigation (e.g. wrecks) and characterizing the sea-floor over large areas (geoprovincing). This data is fundamental to execute MIW change-detection doctrine comparing historical data to current data to determine mine-threats.</p> <p>PNN4G - FLEET SURVEY TEAM INTEGRATED SURVEY PLATFORM Purchases transportable hydrographic survey platform systems used for rapid response, contingency, and emergent high-priority survey requirements. The platform is 7-9 meter air-transportable survey boat (Rigid Hull Inflatable Boat (RHIB) type) with installed and fukky-integrated Multibeam Echo-Sounder RESON 7125, Single Beam Echo-Sounder, Digital Side Scan Sonar, Wide-Area Differential Global Positioning System navigation, Inertial Motion sensor system, Data Acquisition Work-Station (PC), Sound Velocity Probe, and Electric winch. The boat and trailer are designed for transport in a C-130 aircraft and rigged for hoisting.</p> <p>PNN61 - HYDROGRAPHIC SURVEY LAUNCH (HSL) MISSION EQUIPMENT This OPN line item involves the life-cycle replacement of the entire mission equipment suite currently installed aboard the operational fleet of HSL (seven HSLs and the Bertram). The mission equipment suite includes, but is not limited to, shallow water multibeam systems, single beam systems, navigation systems, data collection and storage systems, forward-looking sonar systems, and digital side scan systems. This does not include high-resolution digital side scan systems used for mine warfare. Life-cycle replacement of these systems is critical to ensure state-of-the-art hydrographic surveying capability in littoral areas. Also, due to the harsh environmental conditions encountered by HSLs during typical hydrographic surveys, planned replacement of their mission equipment is necessary to guarantee long-term supportability.</p> <p>PNN6W - INTEGRATED SUB-BOTTOM PROFILER These systems are life cycle replacements for existing Sub Bottom Profiler systems that have exceeded life expectancy and do not currently provide high resolution digital acoustic data with precision positioning and navigational capability that is required for Mine Warfare missions. Systems will operate in conjunction with the new deep-water multibeam systems that are scheduled for installation during FY15.</p> <p>NNSTH - LITTORAL BATTLESPACE SENSING, FUSION, AND INTEGRATION (LBSF&I)LBSF&I supports ocean sensing and data collection and the integration of that data into a common environmental picture. Funding supports procurement of a technology infrastructure capability designed to fuse and integrate data collected under this program with extant static and dynamic data to produce the best available and most accurate battle space environmental characterization used to deliver decision superiority and information dominance to the combatant commander.</p> <p>PNN4F - LONG TERM AMBIENT NOISE RECORDING AND REPORTING SYSTEM Long Term Ambient Noise Recording and Reporting System is a moored, acoustic buoy system used to support ISR missions. The buoys are four channel Environmental Acoustic Recording System (EARS) units that will record ambient noise for long time periods within an 8kHz bandwidth. The Environmental Acoustic Recording System buoys will have to be recovered for data processing.</p> <p>10OPNW - MASTER CLOCK SYSTEMS These systems consist of: Rubidium (Rb) Fountain Clocks, which are advanced, non-commercial atomic clocks that are based on laser cooling and trapping of atoms; hydrogen masers; precise time measurement systems; amplifiers; and environmental conditioning systems to maintain precise temperature and humidity controls. These systems will allow for more rapid, robust and autonomous characterization of the Rubidium Fountains and Hydrogen Masers in the timing ensemble at United States Naval Observatory (USNO). Rb fountain clocks deliver the precise time and time interval required to support GPS III requirements and national assets.</p> <p>PNN6Z - OCEANOGRAPHIC CENTRAL SUITE SURVEY WORKSTATION/STORAGE REPLACEMENT Integrated Survey System (ISS)-60 is a hardware / software suite deployed on ship and survey launch platforms to facilitate the collection, quality control, and preprocessing of oceanographic and geophysical data at or near the time of data collection. The central suite data acquisition and processing systems include Unix workstations, Personal Computers (PCs), network components and mass storage devices. Technology refreshment of these components is routinely required across all survey platforms to maintain existing survey capabilities and reliability, and to expand the capacity of the ISS-60 hardware suite to accommodate the acquisition, storage, and preprocessing of data from new sensors deployed on survey assets. The ISS-60 System Integration Laboratory (SIL) provides a shore-based component of ISS-60 used for system testing, troubleshooting, new system and component integration testing, and training for survey personnel, system administrators, and field maintenance personnel. SIL hardware and software must also be routinely upgraded to maintain configuration management with survey platform systems. This effort includes the requirements review, design / integration review, factory / sea acceptance testing, programming, documentation and program reviews to support the release of a new version of ISS-60 each year.</p> <p>PNN6K - OCEANOGRAPHIC INFORMATION SYSTEM (OIS) ARCHITECTURE The Oceanographic Information System (OIS) architecture provides the corporate information technology infrastructure to enable the collection, processing, storage, archival, retrieval, and dissemination of oceanographic data, products, and other scientific information delivering Meteorological and Oceanographic (METOC) superiority to</p>		

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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>the Fleet. Funds life cycle support and technology refresh to upgrade the end-to-end processing and production systems. Deployment of new state-of-the-art oceanographic sensors, such as high-speed, high-resolution digital side scan sonar systems, collect data volumes far in excess of the current OIS capability to receive, process, store, and archive data. The integration of Fleet through-the-sensor data into OIS production and the collection of remotely sensed data add to the complexity of the technology infrastructure required for OIS. Upgrades to existing corporate storage resources that support the data warehouse and expand the storage area network to meet anticipated data storage requirements are included.</p> <p>PNN41 - PORTABLE MULTIBEAM REPLACEMENT Portable Multibeam Sonar System is a roll-on/roll-off life cycle replacement for the RESON 8101 (4 systems) and the RESON 8125 (1 system). These systems provide the means to rapidly deploy a multibeam capability onto a craft of opportunity in order to support emergent naval requirements. Portability is key to enable rapid response to urgent or short-fused demands. The new systems provide an increase in survey efficiency, reduced maintenance costs, and an improvement in data quality. The Portable Multibeam Sonar System that replaces the RESON 8125 will provide high-resolution swath bathymetry along with side scan sonar imaging capability. This system will provide bottom imagery to facilitate MIW route surveys and navigation hazard surveys.</p> <p>OSAA1 - PRIMARY OCEAN PREDICTION SYSTEM (POPS) ENHANCEMENTS Primary Oceanographic Prediction System (POPS)-Meteorology (Met) provides the key production engine enabling global METOC support of the fleet. POPS-Met operates within a 24/7 reachback operations center supporting global fleet operations with weather and ocean prediction products and warfighting applications that are critical to fleet safety and warfighting effectiveness. POPS-Met provides the technology and infrastructure to sustain global operations ashore and afloat by providing timely, relevant, 24/7 METOC data and products to the fleet, Department of Defense, joint, allied, and coalition warfighters at all classification levels. POPS-Met acquires and sustains the operation of high-performance computing (HPC) environments to provide most of the assured METOC forecast products and services for Tier 1 of the Battlespace on Demand, which originate directly from the METOC models, satellite processing software, and applications. Tier 1 also provides input to many of the Battlespace on Demand Tier 2 and Tier 3 Products. Ongoing technology refreshment is required to meet the growing demand for these products, particularly in response to greater emphasis on preparation for and response to regional conflicts, and the greater data volume from the National Polar-orbiting Partnership (NPP) and future remotely sensed environmental data sources. The required technology refreshment includes enhancements of the POPS-Met hardware and software, models suite, observational data ingest capability, data distribution capability, and reachback customer support. Together, these enhancements will provide the Fleet with more accurate and responsive environmental support across all three Tiers of Battlespace on Demand.</p> <p>PNSRC - SHARC-REMUS ACOMM SYSTEM The SHARC-REMUS ACOMM System (SRAS) is an Acoustic Positioning System (APS) which provides high accuracy navigation and location of Remote Environmental Monitoring Units (REMUS) Autonomous Underwater Vehicles (AUVs). The APS is installed aboard a Sensor Housing Autonomous Remote Craft (SHARC), a long-duration Unmanned Surface Vehicle (USV) that utilizes wave energy for propulsion and solar panels for energy replenishment of core systems and sensors. The SHARC, equipped with the SRAS, functions as a Communications and Navigation Aid (CNA) to the submerged REMUS AUV by means of acoustic signaling. Working in tandem with the AUV, the SHARC SRAS eliminates the need for the REMUS AUV to come to the surface for routine communications and navigation fix updates. The AUV maintains a submerged posture, while the SRAS provides updates to its navigational position, and allows over-the-horizon communications for sending back AUV position and status messages, snippets of sidescan and bathymetric data and subsequent redirection of the AUV. Current submerged AUV navigation techniques can be inaccurate as they rely on approximations resulting in imprecise location data and degraded environmental data, and require the AUVs to surface for frequent navigational fixes. This can lead to a substantially increased processing time and increased risk of missed coverage.</p> <p>PNN3E - SHIP MOVING VESSEL PROFILER (MVP)The Shipboard MVP is the larger shipboard complement to the HSL MVP. Intended for use from T-AGS 60 platforms, the system consists of a compact and recoverable probe integrated with a computer controlled over-the-side handling system. It permits the rapid and automated acquisition of sound velocity profile data from an underway vessel and significantly increases multibeam survey efficiency by acquiring highly accurate automated sound velocity profile data in the critical 0- 400m water layer.</p> <p>PNN6L - SHIP TO SHORE DATA COMMUNICATIONS The Ship to Shore Data Communications system provides high-speed digital data communication between survey ships and the NAVOCEANO Survey Operations Center at Stennis Space Center, Mississippi, using either C-band or Ku-band satellites. Real-time survey data is delivered to Non-classified Internet Protocol Router (NIPR) or Secret Internet Protocol Router (SIPR) computers for rapid processing to produce near real-time products for the war fighter. Data is transmitted from ship to shore at nominal rate of 1,024,000 bits per second and from shore to ship at a nominal rate of 256,000 bits per second. The system also provides the survey ship with classified and unclassified email and Voice-over-IP communication. This is the sole capability which allows rapid turnaround of survey data to support the warfighter in today's highly-compressed warfighting scenarios. Life cycle OPN replacements are programmed starting in FY11.</p> <p>100PNW - TIME DISTRIBUTION SYSTEM Time is distributed via telephone, modem, Global Positioning System (GPS), Two Way Satellite Time Transfer (TWSTT). Funding is for distribution systems necessary to transfer and distribute time to users. This consists of receivers systems for M Code receiver systems, Two Way Satellite Time Transfer systems, Precise Time and Time Interval measuring systems, Critical Time Dissemination (CTD), NextGen Secure TWSTT, and other systems to distribute precise time.</p>		

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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>100PNW- VERY LONG BASELINE INTERFEROMETRY SYSTEM Systems to be purchased here are antennas, radio receivers, Radio Frequency to digital conversion systems, wide band communication systems, and correlators to process wide-band data obtained at sites separated by thousands of kilometers. Very Long Baseline Interferometry data monitors variations in the Earth's orientation and form the basis for the fundamental celestial reference frame, and supports DoD and national requirements for Space Situational Awareness.</p> <p>PNNAL - AIRBORNE LIDAR SYSTEM The Coastal Zone Mapping and Imaging LIDAR (CZML) replaces the Compact Hydrographic Airborne Rapid Total Survey (CHARTS) system. CZML is an aircraft mounted LIDAR system used to conduct expeditionary and rapid response hydrographic surveys in near-shore areas and areas inaccessible by ship or survey launch. Routine life cycle replacement maintains technology refresh, precludes obsolescence of equipment and repair parts/maintenance, and maintains survey reliability.</p> <p>PNN6M - DEEP MULTIBEAM REPLACEMENT The full ocean multibeam sonar system is the primary ship-mounted ocean mapping tool used for surveys in water depths greater than 300 meters to full ocean. The deep-water multibeam system is a state-of-the-art, commercial, one-by-one degree system with a maximum swath coverage of six times water depth. The multibeam survey system includes an integrated deep water sub-bottom profiler system. The system will be installed on all T-AGS 60 class ships as a life-cycle replacement for the existing deep water multibeam system (EM121A). The deep water multibeam system (EM121A) has exceeded its life expectancy and will no longer be supported by the manufacturer. Multibeam systems collect deep-water bathymetry data required to support special chart production for the Navy. If the deep-water multibeam systems are not replaced, the T-AGS 60 ships will lose the capability to support the Navy's requirement for deep and mid-water bathymetry data products.</p> <p>PNN6T - SHALLOW WATER MULTIBEAM The shallow water multibeam sonar system is the primary sea-floor mapping system in the littoral (50-500 meters of water). Without this data: 1) surface and sub-surface littoral navigation charts would not be updated with accurate, high resolution bathymetry, 2) high-resolution littoral bathymetry required for running ocean (currents, waves, tides) models supporting anti-submarine warfare, naval special warfare and mine warfare applications would not be available and 3) high-resolution littoral bathymetry required for running acoustic models for anti-submarine warfare would not be available.</p> <p>PNN5B - SHALLOW WATER SEISMIC SYSTEM Lifecycle replacement and upgrades to seismic systems are needed to meet existing requirements for geophysical measurements in shallow to mid-depth water environments. The systems will be roll-on/roll-off systems and consist of a sub-bottom profiler for medium to deep sub-bottom measurements. These systems are designed to meet requirements for geophysical measurements to support geophysical database construction. These databases are an essential part of acoustic prediction systems and support to ASW mission planning, execution, and prosecution.</p> <p>100PNW - NAVY PRECISION OPTICAL INTERFEROMETER SYSTEM The Navy Precision Optical Interferometer (NPOI) at Anderson Mesa, Arizona is operationally producing a catalog of the precision positions of stars at a level of 16 Milli-arcseconds (mas) to meet DoD requirements for Celestial Reference Frame maintenance. NASA has transferred to the Navy four 1.8 meter telescopes to be added to the NPOI array in order to extend the catalog to fainter stars of 9th magnitude and expand the size and density of the catalog. OPN systems to be procured include precise optical and electronic equipment and infrastructure equipment used to integrate the 1.8m telescopes into NPOI array.</p> <p>A2GIG - A2 Enterprise Virtualization GIG-Node Meteorology and Atmospheric data is a highly perishable, mission-essential element in planning for almost all operational missions performed by the United States Navy. Significant time delays in dissemination of oceanographic and meteorological products/services may add significant risk to our operational forces. This Enterprise A2 Virtualized GIG-Node will provide automatic-failover for key oceanographic and meteorological product/services in the event of a significant system/site outage.</p> <p>100PNW - TASK FORCE CYBER AWAKENING USNO data architecture allows for distribution and processing of Precise Time, Astrometry, and Earth Orientation parameters across DoD. Funding is for a secure network environment equipment. This consists of switches and servers for a secure scientific network as well as switches and servers for testing of new software and products.</p> <p>NOOC1 - Advanced Weather Interactive Processing System (AWIPS) provides an automated and efficient system capability at both Fleet Weather Centers (FWCs) and the Joint Typhoon Warning Center (JTWC). This system will leverage existing Navy and National Weather Service (NWS) modeling and forecast automation capabilities that will be compatible across government and civilian weather forecasting sectors. This system will analyze, interrogate, and display ensemble/deterministic models, satellite, observations, and automate repetitive forecaster tasks. These capabilities are necessary for the commands to support mission areas including, but that are not limited to, maritime operations, aviation operations, fleet operations, and safety of navigation.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8126 / Environmental Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Environmental Support Equipment	P-5a			- / 48.965	- / 18.029	- / 23.008	- / 21.107	- / -	- / 21.107
P-40	Total Gross/Weapon System Cost				- / 48.965	- / 18.030	- / 23.009	- / 21.107	- / 0.000	- / 21.107

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 PB17 funds the requirements for the life cycle support of critical survey mission equipment on the T-AGS survey ships to meet validated Combatant Commander submitted requirements for METOC support, as well as requirements for life cycle support of the central IT infrastructure that provides the backbone for METOC production.

FNMOC Primary Oceanographic Prediction System (POPS)-Meteorology (Met) provides the key production engine enabling global METOC support of the fleet. The required technology refreshment includes enhancements of the POPS-Met hardware and software, models suite, observational data ingest capability, data distribution capability, and reachback customer support. Together, these enhancements will provide the Fleet with more accurate and responsive environmental support across all three Tiers of Battlespace on Demand. The increase of \$525K between FY16 and FY17 will provide additional storage for tactical climatology fields.

USNO received funds in FY16 to upgrade and improve cyber security called Task Force Cyber Awakening (TFCA). This effort continues into FY17.

FY 2017 decrease in Environmental Support Equipment OPN by \$0.891M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy																Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2						P-1 Line Item Number / Title: 8126 / Environmental Support Equipment						Aggregated Items Title: Environmental Support Equipment								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
1) Environmental Support Equipment (Fleet Forces Command) ⁽¹⁾																				
1.1) PNN4A - Acoustic Measurement System ^(†)	A		0.353	2	0.705	-	-	-	0.589	1	0.589	-	-	-	-	-	-	-	-	
1.2) PNN3A: Acoustic Positioning System (USBL) ^(†)	A		0.580	4	2.319	0.300	1	0.300	-	-	-	-	-	-	-	-	-	-	-	
1.3) PNN6A - Digital Side Scan Sonar (SHIP) ^(†)	A		0.792	5	3.961	-	-	-	0.320	1	0.320	0.347	1	0.347	-	-	-	0.347	1	0.347
1.4) PNN4G - Fleet Survey Team (FST) Integrated Survey Platform	A		1.680	1	1.680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) PNN61 - 1: HSL Mission Equipment (Installation) ^(†)	A		0.159	3	0.476	0.929	3	2.788	0.872	3	2.616	0.550	3	1.650	-	-	-	0.550	3	1.650
1.6) PNN6W - Integrated Sub Bottom Profiler ^(†)	A		0.470	1	0.470	-	-	-	-	-	-	1.284	1	1.284	-	-	-	1.284	1	1.284
1.7) PNN4F - Long Term Ambient Noise Recording & Reporting System ^(†)	A		0.400	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.8) 10OPNW - Master Clock Systems ^(†)	A		0.517	3	1.550	0.419	2	0.837	0.570	1	0.570	0.873	3	2.619	-	-	-	0.873	3	2.619
1.9) PNN6Z: Oceanographic Central Suite Survey Wkst/Storage Replacement ^(†)	A		1.770	4	7.080	0.482	1	0.482	2.988	1	2.988	1.936	1	1.936	-	-	-	1.936	1	1.936
1.10) PNN6K: OIS Architecture ^(†)	A		1.946	5	9.731	5.188	1	5.188	3.584	1	3.584	1.205	1	1.205	-	-	-	1.205	1	1.205
1.11) PNN41 - Portable Multibeam Replacement ^(†)	A		0.563	1	0.563	-	-	-	0.775	2	1.550	-	-	-	-	-	-	-	-	
1.12) OSAA1: POPS-MET Enhancements ^(†)	A		2.208	4	8.833	5.339	1	5.339	4.470	1	4.470	4.905	1	4.905	-	-	-	4.905	1	4.905
1.13) OSAA1: POPS Enhancements ^(†)	A		2.240	2	4.480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.14) PNN3E - Ship Moving Vessel Profiler (MVP)	A		0.610	2	1.220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8126 / Environmental Support Equipment **Aggregated Items Title:** Environmental Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
1.15) 10OPNW - Time Distribution System ^(†)	A		0.741	4	2.962	0.980	1	0.980	1.820	1	1.820	-	-	-	-	-	-	-	-	
1.16) 10OPNW - Very Long Baseline Interferometry ^(†)	A		0.745	3	2.235	0.450	1	0.450	-	-	-	-	-	-	-	-	-	-	-	
1.18) PNN6M - Deep Multibeam Replacement ^(†)	A		-	-	-	-	-	-	-	-	-	4.147	1	4.147	-	-	-	4.147	1	4.147
1.19) PNN3R - Near Real-Time Profiling Arrays ^(†)	A		-	-	-	-	-	-	1.000	1	1.000	-	-	-	-	-	-	-	-	
1.20) PNN6T - Shallow Water Multibeam ^(†)	A		-	-	-	-	-	-	-	-	-	1.025	1	1.025	-	-	-	1.025	1	1.025
1.21) PNN5B - Shallow Water Seismic System ^(†)	A		0.300	1	0.300	0.436	1	0.436	-	-	-	-	-	-	-	-	-	-	-	
1.22) 10OPNW - Navy Precision Optical Interferometer ^(†)	A		-	-	-	-	-	-	1.887	1	1.887	1.089	1	1.089	-	-	-	1.089	1	1.089
1.23) 10OPNW: Task Force Cyber Awakening (TFCA) - U.S. Naval Observatory ^(†)	A		-	-	-	-	-	-	1.614	1	1.614	0.900	1	0.900	-	-	-	0.900	1	0.900
1.24) NOOC1-Advanced Weather Interactive Processing System (AWIPS) ^(†)	A		-	-	-	1.229	1	1.229	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) Environmental Support Equipment (Fleet Forces Command)			-	-	48.965	-	-	18.029	-	-	23.008	-	-	21.107	-	-	-	-	-	21.107
Total			-	-	48.965	-	-	18.029	-	-	23.008	-	-	21.107	-	-	-	-	-	21.107

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

^(†) indicates the presence of a P-5a

Footnotes:
⁽¹⁾ Variation in costs are due to the fact that the Information Dominance Forces' (IDFOR) OPN Line Items are for entire systems; however, the unit costs are dependent upon whether purchasing an entire brand new system or if purchasing upgrades/lifecycle replacement of software and hardware components of the systems. Installation unit costs are highly dependent on the location of the shipyard.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8126 / Environmental Support Equipment					Aggregated Items: Environmental Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Environmental Support Equipment (Fleet Forces Command)												
1.1) PNN4A - Acoustic Measurement System		2016	KONGSBERG / Lynnwood, WA	C / FP	SPAWAR Charleston, SC	Mar 2016	Mar 2016	1	0.589	N		
1.2) PNN3A: Acoustic Positioning System (USBL)		2014	Kongsberg / SPAWAR	C / FP	SPAWAR Charleston, SC	Mar 2014	Sep 2014	1	0.700	Y		
1.2) PNN3A: Acoustic Positioning System (USBL)		2015	Kongsberg / SPAWAR	C / FP	SPAWAR Charleston, SC	Mar 2015	Sep 2015	1	0.300	Y		
1.3) PNN6A - Digital Side Scan Sonar (SHIP)		2014	Klein / Edge Tech / UNKNOWN	C / FP	Stennis Space Center, MS	May 2014	Oct 2014	2	0.725	Y		
1.3) PNN6A - Digital Side Scan Sonar (SHIP)		2016	Klein / Edge Tech / UNKNOWN	C / TBD	Stennis Space Center, MS	Jun 2016	Jun 2016	1	0.320	Y		
1.3) PNN6A - Digital Side Scan Sonar (SHIP)		2017	Klein / Edge Tech / UNKNOWN	C / TBD	Stennis Space Center, MS	Oct 2016	Oct 2016	1	0.347	Y		
1.5) PNN61 - 1: HSL Mission Equipment (Installation)		2014	Kongsberg, Reson & Applanix / UNKNOWN	C / FP	Stennis Space Center, MS	Sep 2014	Jan 2015	1	0.100	Y		
1.5) PNN61 - 1: HSL Mission Equipment (Installation)		2015	Kongsberg, Reson & Applanix / UNKNOWN	C / FP	SPAWAR	Apr 2015	Apr 2015	3	0.929	Y		
1.5) PNN61 - 1: HSL Mission Equipment (Installation)		2016	Kongsberg, Reson & Applanix / UNKNOWN	C / FP	SPAWAR	Mar 2016	Mar 2016	3	0.872	Y		
1.5) PNN61 - 1: HSL Mission Equipment (Installation)		2017	Kongsberg, Reson & Applanix / UNKNOWN	C / FP	SPAWAR	Mar 2017	Mar 2017	3	0.550	Y		
1.6) PNN6W - Integrated Sub Bottom Profiler		2014	Kongsberg / Lynnwood, WA	C / FP	SPAWAR Charleston, SC	Mar 2014	Sep 2014	1	0.470	Y		
1.6) PNN6W - Integrated Sub Bottom Profiler		2017	Kongsberg / Lynnwood, WA	C / FP	NAVO/NAVSUP	Oct 2016	Oct 2016	1	1.284	Y		
1.7) PNN4F - Long Term Ambient Noise Recording & Reporting System		2014	Multiple Sources / UNKNOWN	C / FP	Stennis Space Center, MS	Mar 2014	Sep 2014	1	0.400	Y		
1.8) 10OPNW - Master Clock Systems		2014	FLC / Philadelphia	C / FP	FISC	Jun 2014	Nov 2014	1	0.400	Y		
1.8) 10OPNW - Master Clock Systems		2015	FLC / Philadelphia	C / FP	FISC	Jul 2015	Feb 2016	2	0.419	Y		
1.8) 10OPNW - Master Clock Systems		2016	FLC / Philadelphia	C / FP	FISC	Mar 2016	Oct 2016	1	0.570	Y		
1.8) 10OPNW - Master Clock Systems		2017	FLC / Philadelphia	C / FP	FISC	Oct 2016	Oct 2016	3	0.873	Y		
1.9) PNN6Z: Oceanographic Central Suite Survey Wkst/Storage Replacement		2014	EMA-Charleston / SAIC / Newport, RI	C / FP	SPAWAR Charleston, SC	Apr 2014	Nov 2014	1	2.216	N	Jan 2014	

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy								Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8126 / Environmental Support Equipment					Aggregated Items: Environmental Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.9) PNN6Z: Oceanographic Central Suite Survey Wkst/Storage Replacement		2015	EMA-Charleston / SAIC / Newport, RI	C / FP	SPAWAR Charleston, SC	Aug 2015	Mar 2016	1	0.482	N	Jan 2015	
1.9) PNN6Z: Oceanographic Central Suite Survey Wkst/Storage Replacement		2016	EMA-Charleston, SC / LEIDOS-Newport, RI / Charleston, SC / Newport, RI	C / FP	SPAWAR Charleston, SC	Mar 2016	Jan 2017	1	2.988	N	Jan 2016	
1.9) PNN6Z: Oceanographic Central Suite Survey Wkst/Storage Replacement		2017	EMA-Charleston / SAIC / Newport, RI	C / TBD	** NO PCO **	Oct 2016	Oct 2016	1	1.936	N	Jan 2016	
1.10) PNN6K: OIS Architecture		2014	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	Stennis Space Center, MS	Jun 2014	Aug 2014	1	2.472	N	Mar 2014	
1.10) PNN6K: OIS Architecture		2015	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	Stennis Space Center, MS	Sep 2015	Nov 2015	1	5.188	N	Mar 2015	
1.10) PNN6K: OIS Architecture		2016	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	Stennis Space Center, MS	Sep 2016	Dec 2016	1	3.584	N	Mar 2016	
1.10) PNN6K: OIS Architecture		2017	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	Stennis Space Center, MS	Oct 2016	Oct 2016	1	1.205	N	Oct 2017	
1.11) PNN41 - Portable Multibeam Replacement		2016	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	Stennis Space Center, MS	Sep 2016	Sep 2016	2	0.775	Y		
1.12) OSAA1: POPS-MET Enhancements		2013	NAVSUP / NAVSUP	C / FFP	SSC-LANT	Jul 2013	Jun 2014	1	1.316	Y		
1.12) OSAA1: POPS-MET Enhancements		2014	NAVSUP / NAVSUP	C / FFP	NAVSUP/SSC-LANT	Mar 2014	Dec 2014	1	1.826	Y		
1.12) OSAA1: POPS-MET Enhancements		2015	SSC PAC / San Diego, CA	C / FP	SSC-LANT	Jul 2015	Dec 2015	1	5.339	Y		
1.12) OSAA1: POPS-MET Enhancements		2016	SSC PAC / San Diego, CA	C / FP	SSC-PAC	Jul 2016	Sep 2016	1	4.470	Y		
1.12) OSAA1: POPS-MET Enhancements		2017	SSC PAC / San Diego, CA	C / FP	SSC-PAC	Jul 2017	Jul 2017	1	4.905	Y		
1.13) OSAA1: POPS Enhancements		2014	NAVICP / UNKNOWN	C / FFP	NAVSUP/SSC-LANT	Jul 2014	Sep 2014	1	2.739	N		
1.15) 100PNW - Time Distribution System		2014	FISC / FISC	C / FP	FISC	Apr 2014	Dec 2014	2	0.947	Y		
1.15) 100PNW - Time Distribution System		2015	FISC / FISC	C / FP	FISC	Jul 2015	Dec 2015	1	0.980	Y	Sep 2013	
1.15) 100PNW - Time Distribution System		2016	FLC / FLC Philadelphia	C / FP	FLC-Philadelphia	Mar 2016	Oct 2016	1	1.820	N		
1.16) 100PNW - Very Long Baseline Interferometry		2014	FISC / FISC	C / FP	FISC	Aug 2014	Dec 2014	1	0.290	Y		

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Number / Title: 8126 / Environmental Support Equipment	Aggregated Items: Environmental Support Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.16) 10OPNW - Very Long Baseline Interferometry		2015	FISC / FISC	C / FP	FISC	Jun 2015	Nov 2015	1	0.450	Y		
1.18) PNN6M - Deep Multibeam Replacement		2017	Kongsberg / Lynnwood, WA	C / FP	NAVO/NAVSUP	Oct 2016	Oct 2016	1	4.147	Y		
1.19) PNN3R - Near Real-Time Profiling Arrays		2016	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	Stennis Space Center, MS	Sep 2016	Feb 2017	1	1.000	Y		
1.20) PNN6T - Shallow Water Multibeam		2017	Kongsberg / Lynnwood, WA	C / FP	NAVO/NAVSUP	Oct 2016	Oct 2016	1	1.025	Y		
1.21) PNN5B - Shallow Water Seismic System		2015	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	Stennis Space Center, MS	Apr 2015	Aug 2015	1	0.436	Y		
1.22) 10OPNW - Navy Precision Optical Interferometer		2016	Lowell Observatory / Anderson Mesa, AZ	C / FP	FLC-Philadelphia	Jun 2016	Dec 2016	1	1.887	Y		
1.22) 10OPNW - Navy Precision Optical Interferometer		2017	Lowell Observatory / Anderson Mesa, AZ	C / FP	FLC-Philadelphia	Oct 2016	Oct 2016	1	1.089	N	Oct 2016	
1.23) 10OPNW: Task Force Cyber Awakening (TFCA) - U.S. Naval Observatory		2016	Multiple Sources / Various	C / FP	FLC-Philadelphia	Mar 2016	Sep 2016	1	1.614	Y		
1.23) 10OPNW: Task Force Cyber Awakening (TFCA) - U.S. Naval Observatory		2017	Multiple Sources / Various	C / TBD	** NO PCO **	Oct 2016	Oct 2016	1	0.900	N		
1.24) NOOC1- Advanced Weather Interactive Processing System (AWIPS)		2015	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	Stennis Space Center, MS	Feb 2016	Jul 2016	1	1.229	N	Sep 2015	

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8128 / Physical Security Equipment
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	859.338	82.132	88.453	100.906	0.000	100.906	99.404	106.161	119.264	113.231	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	859.338	82.132	88.453	100.906	0.000	100.906	99.404	106.161	119.264	113.231	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	859.338	82.132	88.453	100.906	0.000	100.906	99.404	106.161	119.264	113.231	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	0.383	0.309	-	0.309	0.081	-	-	-	-	0.773
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

[P40A / (X7001) - MOBILE SECURITY FORCE]: Active and Reserve Component of the Coastal Riverine Force (CRF) (formerly Naval Coastal Warfare (NCW), Mobile Security Force (MSF), Maritime Expeditionary Security Force (MESF) and Riverine Force). CRF provides seaward surveillance and security forces in amphibious objective areas, harbors and approaches, straits, anchorages, offshore economic assets and other military areas worldwide. CRF fills current warfighting gaps by providing highly trained scalable and sustainable Security Teams capable of defending mission critical assets in the near coast environment. CRF units provide Ground Defense, Afloat Defense, Airfield/Aircraft Security and a wide range of secondary tasks from Detention Operations to Law Enforcement. Funding will provide prioritized initial outfitting for newly established TOA requirements and procurement of centrally managed equipment to meet Required Operational Capabilities/Program Operational Environment (ROC/POE) and Navy Mission Essential Tasks (NMET) including Navy Non-Lethal Effects items.

[P40A / (X7001) SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS)]: (X7001) SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS) This category provides for the security equipment required to guard and protect the TRIDENT II (D5) missile while the missile is in storage, being handled, or in a movement convoy to and from the waterfront at the Strategic Weapons Facility, Atlantic (SWFLANT) in Kings Bay, GA and the Strategic Weapons Facility, Pacific (SWFPAC) in Bangor, WA. Funding supports the Limited Area Electronic Security Systems (ESS) refreshes, the Transit Protection System, Vehicle Barriers, the Command, Control, Communication, Computers, and Intelligence (C4I) system that provides security system, communication network, computers, security force command and control function as well as the Water Detection System and other equipment necessary to meet Nuclear Security requirements per DOD S-5210.41M (Nuclear Weapons Security Manual).

[P40A / (X7002) - ANTI-TERRORISM/FORCE PROTECTION AFLOAT PHYSICAL SECURITY EQUIPMENT (ATFP PSE)]: Anti-terrorism/Force Protection (AT/FP) Physical Security Equipment (PSE) and Vessel Boarding Search and Seizure (VBSS) material are a compilation of specific security and AT related items intended for use by Ship's company aligned with Chief of Naval Operations (CNO's) objective for operation watch standers at pier side and perimeter posts. AT/FP PSE material is used to assist shipboard security forces in thwarting potential terrorist attacks and forms the base of security for shipboard personnel. VBSS PSE material enables surface forces to reach full MIO capability including interception, boarding, searching, diverting and /or seizing suspect vessels. AT/FP Laser Dazzlers provide non-lethal means to incapacitate suspected terrorists.

[P40A / (X7007) - BIOMETRICS]: Introduces biometrics capabilities for surface ships during Vessel Boarding Search and Seizure (VBSS) Enhanced Maritime Interception Operations (EMIO) by providing a new Maritime Domain Awareness (MDA) capability to download fused terrorism intelligence to Counter Terrorism Centers, Terrorism Screening Centers and other Intelligence Community databases to support a Common intelligence picture in a Naval/Joint/Coalition operational environment. Funding will provide Navy developed Identity Dominance Systems (IDS) which will provide required biometrics capability to the fleet. The program of record achieved MS C in October 2012, FRP in June 2013 and will be procuring additional systems to meet fleet needs.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8128 / Physical Security Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>[P40A / (X7008)- ENHANCED MARITIME INTERCEPTION OPERATIONS (EMIO)]: In response to JCS tasking, implemented Level II MIO Initial Operational Capability May 2005. The new MIO capability expands the operational spectrum for the Navy Overseas Contingency Operations ranging from compliant only to non-compliant boarding of threat vessels. MIO teams will be trained on new equipment, which will allow them to board vessels that refuse to comply with orders to stop and be searched for terrorists and terrorist. Funding will provide Allowance Equipage List (AEL) items such as individual protective equipment and training weapons.</p> <p>[P40A / (X7009)- HELICOPTER VESSEL BOARDING SEARCH AND SEIZURE (HVBSS)]: Phases day/night free band Helicopter Vessel Boarding Search and Seizure (HVBSS) capability deployed on surface combatants to augment Level II Boarding Teams. MIO teams will be trained on new equipment, which will allow Helo entry. Funding will provide Allowance Equipage List (AEL) items such as individual protective equipment and training weapons.</p> <p>[P40A / (X7011) -RIVERINE ACTIVITIES]: The Riverine Forces will build a concept of operations based on the capabilities requested by the combatant commanders. Those capabilities will include: rapid insertion of forces, interdiction, maritime security, customs and law enforcement and combat operations against asymmetric threats in support of Overseas Contingency Operations. US Navy Riverine capability to conduct three phases of operational capability. Phase 0: Shaping and Stability (to include Theater Security Cooperation activities); Phase I: Deter; Phase II: Seize the Initiative/Dominate; and Phase III: Stabilize/Enable Civil Authority. Three Riverine Squadrons will serve as a ready Riverine Force for the Joint Forces Maritime Component Commander (JFMCC). Visual Augmentation Systems (VAS) devices, handheld thermal imagers and laser aiming devices, and expeditionary command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR) for Riverine personnel and combatant crafts.</p> <p>[P40A / (X7013) MARITIME CIVIL AFFAIRS GROUP ACTIVITIES (MCAG)]: Maritime Civil Affairs Group (MCAG) integrates both Department of Defense (DOD) and non-DOD initiatives (including humanitarian) to provide Civil Military Operations focused on the maritime and near-coast environments. MCAG supports Overseas Contingency Operations, Major Combat Operations Other Than War (deterring war, resolving conflict, and promoting peace), and Humanitarian Assistance and Disaster Relief. Funding will provide Table of Allowance (TOA) items such as training weapons, individual protective equipment, and escalation of force equipment.</p> <p>[P40A / (X7014) NAVY EXPEDITIONARY LOGISTICS SUPPORT GROUP]: Navy Expeditionary Logistics Support Group will deliver worldwide expeditionary logistics with active and reserve personnel to conduct port and air cargo handling missions, customs inspections, contingency contracting capabilities, fuels distribution, freight terminal and warehouse operations, postal services, and ordnance reporting and handling. Funding will provide prioritized initial outfitting for newly established TOA requirements and procurement of centrally managed mission equipment to meet Required Operational Capabilities/Program Operational Environment (ROC/POE) and Navy Mission Essential Tasks (NMET).</p> <p>[P40A / (X7015) MOBILE DIVING SALVAGE UNIT (MDSU) OUTFITTING EQUIPMENT]: Provides prioritized initial outfitting for newly established Mobile Diving and Salvage Unit Table of Allowances (TOA) requirements and procurement of centrally managed diving and salvage systems. MDSU TOA equipment includes diving, salvage and Combat Support Equipment to meet Required Operational Capabilities/Program Operational Environment (ROC/POE) and Navy Mission Essential Tasks (NMET).</p> <p>[P40A / (X7016) NAVAL SPECIAL WARFARE]: Phases and procures new night vision equipment (Visual Augmentation Systems (VAS)) that is Navy service common equipment for Naval Special Warfare (NSW) forces. Mission assets needed to support the operational capabilities will vary widely dependant on mission.</p> <p>[P40A / (X7701) ANTI-TERRORISM FORCE PROTECTION ASHORE]: This program provides centrally procured equipment to improve the physical security posture of Navy installations worldwide. The program applies the Commander Navy Installations Command (CNIC) Risk-based investment strategy, ensuring appropriate Anti-terrorism and Force Protection (ATFP) solutions are fielded. The Physical Security Equipment (PSE) program procures equipment that supports and improves 15 specific Navy capabilities to detect, defer and defeat terrorist and criminal activity targeted against Navy personnel, government property and facilities ashore/afloat. The program provides funds to procure equipment for Navy Military Construction (MILCON) projects, including Intrusion Detection System(s) (IDS) and other Electronic Security System(s) (ESS) before building occupancy. The funds support the following six categories: Electronic Harbor Security Systems (EHSS) and Barriers; Physical Security/Access Control (Gates Automation & Perimeter Security); MILCON IDS; Command, Control, Computer, Communications & Intelligence (C4I) and Other Physical Security Equipment (PSE).</p> <p>FY17 IDS funding will provide for suites of equipment for MILCON projects at naval installations.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8128 / Physical Security Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>AEGIS Ashore funding addresses Aegis Ashore Poland physical security requirements that support emergency operations (fire, police and EMS dispatch), base and regional Situational Awareness (SA), land mobile radio communications, VTC, Emergency Operations Center video displays, mass notification, sensor monitoring and alarm monitoring. FY17 AEGIS Ashore funding will provide for Computer Aided Display Dispatch Console System and an Emergency Operations Center.</p> <p>FY 2017 C4I funding will provide for:</p> <p>REGIONAL DISPATCH CENTER (\$4.0M): Provides Regionalized/Consolidated emergency call receipt, alarm monitoring, and 1st responder dispatching, Utilize centrally-hosted and supported Computer Aided Dispatch, Mobile Data Computers, Records Management Systems, Geographic Information System (GIS), Enterprise Land Mobile Radio (ELMR), and Alarm Automation to optimize emergency communication and response times.</p> <p>GIANT VOICE / INDOOR VOICE (\$13.2M): Provides Voice Alerts and Notifications during Emergency Events affecting an installation.</p> <p>NAVY MUNITIONS ALARM SYSTEM (\$5.0M): Equipment and components for Conventional Arms, Ammunitions & Explosives (AA&E) systems supporting Category I/II munitions.</p> <p>[P40A / VACIS (BSO 60 - NAVCENT)]: Ports of Jebel Ali and Fujairah lack capability to screen cargo for explosives or contraband, an identified Force Protection vulnerability. The Vehicle and Contraband Inspection Systems (VACIS) GT is a rugged, highly mobile scanning system. Capable of detecting explosives and illegal contraband in vehicles and cargo containers. Typically used to scan large commercial vehicles during entry control point operations by combat forces in austere environments.</p> <p>[P40A / ZBV Military Trailer - ZBV-MIL-TRAILER-01]: 2 x ZBV Military Trailer - ZBV-MIL-TRAILER-01 (Z Backscatter Van Military Mobile Trailer) gamma ray imager. Capable of detecting explosives and illegal contraband in vehicles and cargo containers. Typically used to scan large commercial vehicles during entry control point operations by combat forces in austere environments.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment

P-1 Line Item Number / Title:
8128 / Physical Security Equipment

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Physical Security Equipment	P-5a			- / 859.338	- / 82.132	- / 88.453	- / 100.906	- / -	- / 100.906
P-40	Total Gross/Weapon System Cost				- / 859.338	- / 82.132	- / 88.453	- / 100.906	- / 0.000	- / 100.906

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

X7001-Mobile Security Force-Reserve
Increase is to update AN/PVS-15 (night vision binoculars) with Wide Field of View (WFOV) goggle system that will provide increased situational awareness for low light/night time small boat and tactical convoy operations.

X7001-Mobile Security Force-Active
Increase for 1) replacement of current ballistic plates with new light weight neutrally buoyant ballistic plate to meet maritime survivability requirements of the force; 2) procure EO/IR sensors and Non-Lethal hailing and warning capability for the MK VI Patrol Boat.

X7001-SSBN Waterfront Restricted Area Security (WRAS)
The increase is attributable to the Electronic Security System (ESS) and radio communication system equipment projects at Strategic Weapons Facility Atlantic (SWFLANT), Kings Bay, Georgia. These projects are critical to protecting the Strategic Weapons Facilities and ensuring there is no unauthorized access to nuclear weapons.

X7008-Enhanced Maritime Interception Operations (EMIO)
Increase is for procurement of new Maritime Security Helmets and SRX-2200 radios for the Anti-Terrorism and Force Protection (ATFP) and Visit, Board, Search, and Seizure (VBSS) platforms.

X7014-Navy Expeditionary Logistics Support Group
Increase for technical refresh and modernization of fielded Unmanned Aerial Systems (UAS) employed by Coastal Riverine Forces.

X7015-Mobile Diving Salvage Unit (MDSU) Outfitting Equipment
Increase is for three technical refreshes:
1) Technical refresh of legacy Standard Navy Double Lock and Transportable Recompression Chamber Systems with improved capabilities and safety features for conduct of diving and salvage operations.
2) Technical refresh of underwater search systems including improved side-scan and towed sonar capabilities.
3) Technical refresh of diving and salvage Remotely Operated Vehicles (ROVs) and associated launch and recovery systems.

X7016-Naval Special Warfare
Increase is for purchase of 5 Enhanced Joint Terminal Attack Controller Laser Target Designator (EJTAC-LTD) - device that provides Direct View Optics (DVO) with 5.5 Power day optical magnification, Near Infrared (NIR) Laser Pointer (830 nm beam), Designator/Marker Laser (1064 nm beam), Digital Magnetic Compass that measures and displays magnetic azimuth or grid azimuth in degrees or mils, and Laser rangefinder that measures and displays distance.

X7701-Anti-Terrorism Force Protection Ashore
14.4) Command, Control, Computer, Communications and Intelligence (C4I)

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8128 / Physical Security Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Increase due to the replacement of Mass Notification Systems that are at end of life. This capability was directed via legislative mandate resulting from the SECDEF Fort Hood working group.</p> <p>FY 2017 decrease in Physical Security Equipment OPN by \$4.240M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.</p> <p>The FY 2017 funding request was also reduced by \$2.889M to account for the availability of prior year execution balances.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy																Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2						P-1 Line Item Number / Title: 8128 / Physical Security Equipment						Aggregated Items Title: Physical Security Equipment								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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) (X7001) - MOBILE SECURITY FORCE																				
1.1) MOBILE SECURITY FORCE RESERVE COMPONENT	A		-	-	12.818	-	-	0.724	-	-	1.293	-	-	3.687	-	-	-	-	-	3.687
Subtotal: 1) (X7001) - MOBILE SECURITY FORCE			-	-	12.818	-	-	0.724	-	-	1.293	-	-	3.687	-	-	-	-	-	3.687
2) New P40A Grouping																				
2.1) MOBILE SECURITY FORCE ACTIVE COMPONENT	A		-	-	57.340	-	-	2.890	-	-	-	-	-	7.903	-	-	-	-	-	7.903
Subtotal: 2) New P40A Grouping			-	-	57.340	-	-	2.890	-	-	-	-	-	7.903	-	-	-	-	-	7.903
3) (X7001) SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS)																				
3.1) (X7001) SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS)	A		-	-	336.546	-	-	17.531	-	-	32.987	-	-	38.164	-	-	-	-	-	38.164
Subtotal: 3) (X7001) SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS)			-	-	336.546	-	-	17.531	-	-	32.987	-	-	38.164	-	-	-	-	-	38.164
4) (X7002) - ANTI-TERRORISM/FORCE PROTECTION AFLOAT PHYSICAL SECURITY EQUIPMENT (ATFP PSE)																				
4.1) ATFP PHYSICAL SECURITY EQUIPMENT (PSE)	A		-	-	18.819	-	-	1.846	-	-	2.587	-	-	2.885	-	-	-	-	-	2.885
Subtotal: 4) (X7002) - ANTI-TERRORISM/FORCE PROTECTION AFLOAT PHYSICAL SECURITY EQUIPMENT (ATFP PSE)			-	-	18.819	-	-	1.846	-	-	2.587	-	-	2.885	-	-	-	-	-	2.885
5) (X7007) - BIOMETRICS																				
5.1) BIOMETRICS	A		-	-	11.665	-	-	3.000	-	-	1.800	-	-	0.482	-	-	-	-	-	0.482
Subtotal: 5) (X7007) - BIOMETRICS			-	-	11.665	-	-	3.000	-	-	1.800	-	-	0.482	-	-	-	-	-	0.482
6) (X7008)- ENHANCED MARITIME INTERCEPTION OPERATIONS (EMIO)																				
6.1) ENHANCED MARITIME INTERCEPTION OPERATIONS (EMIO)	A		-	-	31.630	-	-	2.457	-	-	3.073	-	-	3.513	-	-	-	-	-	3.513
Subtotal: 6) (X7008)- ENHANCED MARITIME INTERCEPTION OPERATIONS (EMIO)			-	-	31.630	-	-	2.457	-	-	3.073	-	-	3.513	-	-	-	-	-	3.513
7) (X7009)- HELICOPTER VESSEL BOARDING SEARCH AND SEIZURE (HVBSS)																				
7.1) HELICOPTER VESSEL BOARDING SEARCH AND SEIZURE (HVBSS)	A		-	-	7.556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy																Date: November 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2						P-1 Line Item Number / Title: 8128 / Physical Security Equipment						Aggregated Items Title: Physical Security Equipment								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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: 7) (X7009)- HELICOPTER VESSEL BOARDING SEARCH AND SEIZURE (HVBSS)			-	-	7.556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8) (X7011) -RIVERINE ACTIVITIES																				
8.1) RIVERINE ACTIVITIES	A		-	-	23.041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 8) (X7011) -RIVERINE ACTIVITIES			-	-	23.041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9) (X7013) MARITIME CIVIL AFFAIRS GROUP ACTIVITIES (MCAG)																				
9.1) MARITIME CIVIL AFFAIRS GROUP ACTIVITIES (MCAG)	A		-	-	9.197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 9) (X7013) MARITIME CIVIL AFFAIRS GROUP ACTIVITIES (MCAG)			-	-	9.197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10) (X7014) NAVY EXPEDITIONARY LOGISTICS SUPPORT GROUP																				
10.1) NAVY EXPEDITIONARY LOGISTICS SUPPORT GROUP	A		-	-	10.452	-	-	-	-	0.695	-	-	0.881	-	-	-	-	-	0.881	
Subtotal: 10) (X7014) NAVY EXPEDITIONARY LOGISTICS SUPPORT GROUP			-	-	10.452	-	-	-	-	0.695	-	-	0.881	-	-	-	-	-	0.881	
11) (X7015) MOBILE DIVING SALVAGE UNIT (MDSU) OUTFITTING EQUIPMENT																				
11.1) MOBILE DIVING AND SALVAGE UNIT OUTFITTING EQUIPMENT	A		-	-	6.510	-	-	-	-	0.717	-	-	2.889	-	-	-	-	-	2.889	
Subtotal: 11) (X7015) MOBILE DIVING SALVAGE UNIT (MDSU) OUTFITTING EQUIPMENT			-	-	6.510	-	-	-	-	0.717	-	-	2.889	-	-	-	-	-	2.889	
12) (X7016) NAVAL SPECIAL WARFARE																				
12.1) NAVAL SPECIAL WARFARE FORCES	A		-	-	22.303	-	-	4.637	-	2.524	-	-	3.211	-	-	-	-	-	3.211	
Subtotal: 12) (X7016) NAVAL SPECIAL WARFARE			-	-	22.303	-	-	4.637	-	2.524	-	-	3.211	-	-	-	-	-	3.211	
13) (X7701) ANTI-TERRORISM FORCE PROTECTION ASHORE																				
13.1) ELECTRONIC HARBOR SECURITY SYSTEMS (EHSS)/ BARRIERS	A		-	-	54.075	-	-	2.824	-	3.024	-	-	3.084	-	-	-	-	-	3.084	
13.2) PHYSICAL SECURITY/ACCESS	A		-	-	64.137	-	-	32.123	-	6.400	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2 **P-1 Line Item Number / Title:** 8128 / Physical Security Equipment **Aggregated Items Title:** Physical Security Equipment

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
CONTROL - GATES AUTOMATION																				
13.3) MILITARY CONSTRUCTION INTRUSION DETECTION SYSTEMS (MILCON IDS)	A		-	-	64.063	-	-	9.600	-	-	9.600	-	-	9.763	-	-	-	-	-	9.763
13.4) COMMAND, CONTROL, COMPUTER, COMMUNICATIONS AND INTELLIGENCE (C4I)	A		-	-	126.944	-	-	-	-	-	19.253	-	-	22.216	-	-	-	-	-	22.216
13.5) AEGIS ASHORE	A		-	-	-	-	-	4.500	-	-	4.500	-	-	2.228	-	-	-	-	-	2.228
Subtotal: 13) (X7701) ANTI-TERRORISM FORCE PROTECTION ASHORE			-	-	309.219	-	-	49.047	-	-	42.777	-	-	37.291	-	-	-	-	-	37.291
14) VACIS (BSO 60 - NAVCENT)																				
14.1) ZBV Military Trailer - ZBV-MIL-TRAILER-01 ^(†)	A		1,121K	2	2.242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 14) VACIS (BSO 60 - NAVCENT)			-	-	2.242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	859.338	-	-	82.132	-	-	88.453	-	-	100.906	-	-	-	-	-	100.906

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8128 / Physical Security Equipment	Aggregated Items: Physical Security Equipment
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
14) VACIS (BSO 60 - NAVCENT)												
14.1) ZBV Military Trailer - ZBV-MIL-TRAILER-01	✓	2014	GSA Federal Supply / Norfolk, VA	C / FFP	Norfolk, VA	May 2015	Jun 2015	2	1,121K	N		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	250.101	87.214	99.094	67.544	0.000	67.544	63.921	60.400	63.612	61.337	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	250.101	87.214	99.094	67.544	0.000	67.544	63.921	60.400	63.612	61.337	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	250.101	87.214	99.094	67.544	0.000	67.544	63.921	60.400	63.612	61.337	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	0.819	1.117	0.172	-	0.172	0.425	0.221	0.378	-	-	3.132
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Distance Support (IT240): A Navy Enterprise effort that combines people, processes and technology into a collaborative infrastructure without regard to geographic location. Distance Support (DS) is comprised of the following three components: Infrastructure, Content and Customer Relationship Management (CRM). Infrastructure provides the "transport" of DS applications and data to and from operating units and shore installations in support of various processes. Technology infrastructure also includes the data replication and shipboard IT servers that bring the DS functionality to the sailor. Content includes specific applications, systems and processes produced by various Navy communities of Interest. Customer Relationship Management (CRM) capabilities include the "Navy 311" Website, BMC Remedy Software and the Navy 311 Support Center, which is the hub of Distance Support, providing the single point of entry for support requests for fleet customers on a 24 hours per day, 7 days per week, 365 days per year basis (24/7/365). NIAPS is comprised of integrated hardware and GOTS software that coalesce various workstations, storage, servers, applications and content into a common environment for shipboard deployment. NIAPS provides data compression and replication capability and is designed to re-host typically shore/web-based applications afloat to minimize bandwidth and provide maximum capability. NIAPS is comprised of more than 40 applications and databases launched from a single Distance Support (DS) Portal on NIAPS server. NIAPS runs applications specifically tailored to individual afloat units for training, career management, maintenance, technical drawings, logistics, human resources, as well as morale and welfare support (Quality of life) which are produced by various Navy functional organizations. NIAPS gives a ship access to critical applications and data using internal shipboard networks, which is faster and cheaper than using external bandwidth and satellite time.

Risk Management Initiative (IT240): Risk Management Initiative (RMI) procures equipment for shore infrastructure, including hardware, software and licensing. RMI program initiates transition of existing legacy and core safety programs and risk management systems, applications and data into a single Program of Record (POR). RMI capability consists of four distinct safety capabilities: Streamlined Incident Reporting (SIR), Single Point of Entry (SPOE), Safety Program Management (SPM) and Analysis & Dissemination (A&D). In FY16 RMI is purchasing an Enterprise Software license to support the users of the core safety and risk management system within the Department of the Navy. There is no hardware or software procurement for RMI in FY17.

Data Center Consolidation (DCC) (IT700): Data Center Consolidation procures and installs data center hardware, software, and licenses as part of the Department of Defense's Information Technology efficiency to consolidate and standardize the Navy's Data Center footprint. Efforts provide the utilization of architecture, standards, and data strategy for Naval enterprise solutions that leverage economies of scale for the consolidation of Navy Data Centers across the Department of the Navy. Oversight and execution of all DCC efforts are under the direction of Data Center and Application Optimization (DCAO) under Program Executive Office - Enterprise Information Systems (PEO-EIS).

Base Level Information Infrastructure (BLII/IT005): BLII modernizes Information Technology (IT) infrastructure (inside/outside cable plants), network electronics (switches, routers, servers, storage devices), PCs, hardware and software, and installs the same modern IT capability at 14 major Outside Continental United States (OCONUS) fleet concentration bases and stations and other remote locations. It provides all the

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8161 / Enterprise Information Technology
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>tools necessary for enterprise network management, network monitoring and performance, information assurance suites, and asset inventory. There are two primary functional elements of BLII: OCONUS Navy Enterprise Network (ONE-NET) and Piers / Enterprise Pier Connectivity Architecture (EPCA).</p> <p>(a) ONE-NET is the OCONUS equivalent to Navy Marine Corps Intranet (NMCI). It is a fully complemented, integrated and interoperable network that consists of standard hardware, software, and Information Assurance suites governed by operational and administrative policies and procedures. It is the medium that enables the rapid, secure, and reliable transfer of official classified and unclassified messages, correspondence, email and data between U.S. war-fighters. It provides email, print, storage, directory and internet services, help desk, and enterprise management for a projected 43,000 users. It meets Fleet Commander stated requirements and is a vast performance and security improvement over existing legacy networks. When fully deployed, ONE-NET will displace all OCONUS legacy networks and yield the same level of security as NMCI. The Navy/Marine Corps sites in Yokosuka, Naples and Bahrain are the Theatre Network Operations Security Centers (TNOSCs) for their respective regions.</p> <p>(b) Piers / Enterprise Pier Connectivity Architecture (EPCA): Commander Pacific Fleet, Commander United States Naval European Command and Commander United States Naval Central Command have declared pier IT infrastructure modernization to be a Force Protection matter of urgency. A fully capable and modern Enterprise pier IT infrastructure allows US Naval ships, while pier-side at 26 global locations (15 CONUS/11 OCONUS), to secure their Radio Frequency (RF) systems for critical maintenance, perform battle force training, yet continue to send and receive operational and intelligence traffic. This element of the BLII program installs state-of-the-art, Automated Digital Network System compatible IT infrastructure to Navy operated piers worldwide, including public and commercial shipyards and authorized DON foreign ports. Further, it provides expanded SIPRnet capability to piers to meet Fleet Commander stated requirements in order to maintain situational awareness related to anti-terrorist military operations. While in port, ships are connected by either an Umbilical Cable Assembly (UCA) or a Wireless solution from the skin of the ship to the first Navy Network Operations Center (NOC).</p> <p>[P3A - 2 / Telephony]: Telephony Suite Replacement and Modernization (IT006): The Department of Defense (DoD), Chief Information Officer (CIO) Memorandum of 5 November 2015 "DoD CIO Capability Priorities for Fiscal Years 2018-2022" lists as a priority, the modernization of network infrastructure to be regionally based, centrally managed and cyber secure. This includes migrating existing infrastructure from Time Division Multiplexing (TDM) to Internet Protocol (IP) based communications to enable Unified Capabilities (UC). Telephony procures and integrates Commercial-Off-The-Shelf (COTS) hardware and software to meet the DoD-CIO TDM to IP mandate for the Navy. All efforts are performed in accordance with policy and procedures set forth in Department of Defense Instruction (DoDI) 8100.03, Chairman of the Joint Chiefs of Staff Instruction (CJCSI) 6212.01 and CJCSI 6215.01D and DoD Unified Capabilities Requirement 2013. Program requirements include: Voice over Internet Protocol (VoIP), Voice over Secure Internet Protocol (VoSIP), Video Conferencing over Secure Internet Protocol (VTCoSIP), Telephony Unified Messaging System (TUMS), Regional Telephony Management System (RTMS), Navy Video Conferencing System (NVCS), NVCS Coalition, and Telephony systems infrastructure (e.g. cable plant). Telephony system installations and/or upgrades occur at facilities in accordance with requirements as identified by Navy Information Dominance Forces (NAVIDFOR), Office of the Chief of Naval Operations (OPNAV), and Missile Defense Agency (MDA) (i.e. FLTNOCs, Fleet Telecommunications sites, and Aegis Ashore Sites).</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment

P-1 Line Item Number / Title:
8161 / Enterprise Information Technology

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Enterprise Information Technology	P-5a			- / 61.299	- / 1.742	- / 10.097	- / 5.319	- / 0.000	- / 5.319
P-3a	1 / BLII OCONUS IT Infrastructure (TBD)				- / 165.471	- / 76.057	- / 73.003	- / 49.772	- / 0.000	- / 49.772
P-3a	2 / Telephony (TBD)				- / 23.331	- / 9.415	- / 15.994	- / 12.453	- / 0.000	- / 12.453
P-40	Total Gross/Weapon System Cost				- / 250.101	- / 87.214	- / 99.094	- / 67.544	- / 0.000	- / 67.544

Exhibits Schedule					FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Enterprise Information Technology	P-5a			- / -	- / -	- / -	- / -	- / -	- / -
P-3a	1 / BLII OCONUS IT Infrastructure (TBD)				- / 42.863	- / 40.490	- / 43.883	- / 41.500	- / 0.000	- / 533.039
P-3a	2 / Telephony (TBD)				- / 15.551	- / 14.861	- / 14.570	- / 14.564	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 63.921	- / 60.400	- / 63.612	- / 61.337	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
Distance Support (IT240): In FY17, Distance Support Customer Relationship Management (DS-CRM) funds the procurement of new Information Technology Service Management (ITSM) BMC Remedy Licenses (for SIPR Shared Data Environment establishment) and the associated labor for the implementation, optimization, configuration, and integration of that software and environment. FY17 also funds the technology refresh for Distance Support Navy Information Application Product Suite (DS-NIAPS). This includes software licenses and shore infrastructure hardware refresh to replace existing end-of-life equipment.

Telephony Suite Replacement and Modernization (IT006): In FY17, the program will continue procurement and installation of IP-based equipment in support of DoD's Everything over IP (EoIP) mandate and Telephony requirements including: Voice over Internet Protocol (VoIP), Voice over Secure Internet Protocol (VoSIP), Video Conferencing over Secure Internet Protocol (VTCoSIP), Telephony Unified Messaging System (TUMS), Regional Telephony Management System (RTMS), Navy Video Conferencing System (NVCS), NVCS Coalition, and Telephony systems infrastructure (e.g. cable plant). Telephony system installations and/or upgrades occur at facilities in accordance with requirements as identified by Navy Information Dominance Forces (NAVIDFOR), Office of the Chief of Naval Operations (OPNAV), and Missile Defense Agency (MDA) (i.e. FLTNOCs, Fleet Telecommunications sites, and Aegis Ashore Sites).

Base Level Information Infrastructure (BLII/IT005):
FY17 funds the technical refresh of existing antiquated network equipment that resides on the OCONUS Navy Network (ONE-NET), and upgrades End of Life (EOL) infrastructure (routers, switches, servers, etc.). This funding will allow for the refresh of 9,000+ antiquated PCs which will be at the end of their warranty, and 2,000+ network devices that have reached end of life/support and now present security risks to the network. The FY17 funding will also provide for the transition of Piers / Enterprise Pier Connectivity Architecture (EPCA) into a single global Navy Enterprise Network (NEN).

ORT Cyber Remediation FY17 funding will be used to upgrade current Information Assurance / security technologies deployed on the OCONUS network such as firewalls, virtual private networks, authentications, cryptographic log-ons, and network segregation.

Additionally, FY17 BLII funding also provides for the Production Support, Installation and government oversight of the HW/SW technical refresh.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8161 / Enterprise Information Technology
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Data Center Consolidation (DCC) (IT700): In FY17, OPN funding will procure servers (encompassing both hardware and software components), ancillary equipment associated with the servers (racks, cables, switches, etc.), and integration and installation efforts as needed as part of regular data center technical refresh.</p> <p>FY 2017 decrease in Enterprise Information Technology OPN by \$2.836M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.</p> <p>The FY 2017 funding request was also reduced by \$4.507M to account for the availability of prior year execution balances.</p>		

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Exhibit P-5, Cost Analysis: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Item Number / Title [DODIC]: 1 / Enterprise Information Technology
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	61.299	1.742	10.097	5.319	0.000	5.319
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	61.299	1.742	10.097	5.319	0.000	5.319
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	61.299	1.742	10.097	5.319	0.000	5.319

(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)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
Hardware - IT700 Data Center Consolidation Cost																		
Recurring Cost																		
2.1.1) DCC - Data Center Consolidation	-	-	55.902	-	-	0.000	-	-	5.000	-	-	3.820	-	-	0.000	-	-	3.820
<i>Subtotal: Recurring Cost</i>	-	-	55.902	-	-	0.000	-	-	5.000	-	-	3.820	-	-	0.000	-	-	3.820
<i>Subtotal: Hardware - IT700 Data Center Consolidation Cost</i>	-	-	55.902	-	-	0.000	-	-	5.000	-	-	3.820	-	-	0.000	-	-	3.820
Hardware - IT240 Risk Management Initiative Cost																		
Recurring Cost																		
3.1.1) Risk Management Initiative ^{(†) (1)}	200.000	1	0.200	-	-	0.000	3,177.000	1	3.177	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	0.200	-	-	0.000	-	-	3.177	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Hardware - IT240 Risk Management Initiative Cost</i>	-	-	0.200	-	-	0.000	-	-	3.177	-	-	0.000	-	-	0.000	-	-	0.000
Software - IT240 Distance Support Cost																		
Recurring Cost																		
4.1.1) Distance Support (NIAPS) - Licenses ^{(†) (2)}	-	-	0.000	-	-	0.739	-	-	0.740	2.726	164	0.447	-	-	0.000	2.726	164	0.447
4.1.2) Distance Support (CRM) ^{(†) (3)}	3.424	1,518	5.197	2.372	423	1.003	2.449	482	1.180	2.498	421	1.052	-	-	0.000	2.498	421	1.052
<i>Subtotal: Recurring Cost</i>	-	-	5.197	-	-	1.742	-	-	1.920	-	-	1.499	-	-	0.000	-	-	1.499

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Exhibit P-5, Cost Analysis: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Item Number / Title [DODIC]: 1 / Enterprise Information Technology
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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: Software - IT240 Distance Support Cost</i>	-	-	5.197	-	-	1.742	-	-	1.920	-	-	1.499	-	-	0.000	-	-	1.499
Gross/Weapon System Cost	-	-	61.299	-	-	1.742	-	-	10.097	-	-	5.319	-	-	0.000	-	-	5.319

Remarks:

[L2:SW] In FY17, Distance Support Customer Relationship Management (DS-CRM) funds the procurement of new Information Technology Service Management (ITSM) BMC Remedy Licenses (for SIPR Shared Data Environment establishment) and the associated labor for the implementation, optimization, configuration, and integration of that software and environment. FY17 also funds the technology refresh for Distance Support Navy Information Application Product Suite (DS-NIAPS). This includes software licenses and shore infrastructure hardware refresh to replace existing end-of-life equipment

(t) indicates the presence of a P-5a

Footnotes:

- (1) RMI is using a Commercial Off The Shelf (COTS) product to meet the Department of the Navy's streamlined incident reporting requirements.
- (2) FY17 funds the technology refresh for Distance Support Navy Information Application Product Suite (DS-NIAPS). This includes software licenses for the following: SQLSvrStd ALNG LicSAPk MVL - 82 Licenses WinSvrStd ALNG LicSAPk MVL 2Proc - 82 Licenses
- (3) In FY17, Distance Support Customer Relationship Management (DS-CRM) funds the procurement of new Information Technology Service Management (ITSM) BMC Remedy Licenses (for SIPR Shared Data Environment establishment) and the associated labor for the implementation, optimization, configuration, and integration of that software and environment.

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Exhibit P-5a, Procurement History and Planning: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Item Number / Title [DODIC]: 1 / Enterprise Information Technology
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.1) Risk Management Initiative		2016	VARIOUS / VARIOUS	C / TBD	SPAWAR	Apr 2016	Jun 2016	1	3,177.000	N	Feb 2016	Feb 2016
4.1.1) Distance Support (NIAPS) - Licenses		2017	Multiple Sources / Various	C / FFP	Orlando, FL	Aug 2017	Sep 2017	164	2.726	N	Mar 2017	
4.1.2) Distance Support (CRM)		2015	BMC Software Distribution IncBMC Software Distribution Inc ⁽⁴⁾ / San Diego, CA	C / CPFF	Orlando, FL	Apr 2015	Jun 2015	423	2.372	Y		
4.1.2) Distance Support (CRM)		2016	BMC Software Distribution IncBMC Software Distribution Inc ⁽⁴⁾ / San Diego, CA	C / CPFF	Orlando, FL	Apr 2016	Jun 2016	482	2.449	Y		
4.1.2) Distance Support (CRM)		2017	BMC Software Distribution IncBMC Software Distribution Inc ⁽⁴⁾ / San Diego, CA	C / CPFF	Orlando, FL	Apr 2017	Jun 2017	421	2.498	Y		

Footnotes:

⁽⁴⁾ Multiple manufacturers (Aeorprise, Scan Store, BMC, BMX, Avaya)

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Modification Number / Title: 1 / BLII OCONUS IT Infrastructure

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	165.471	76.057	73.003	49.772	0.000	49.772	42.863	40.490	43.883	41.500	0.000	533.039
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	165.471	76.057	73.003	49.772	0.000	49.772	42.863	40.490	43.883	41.500	0.000	533.039
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	165.471	76.057	73.003	49.772	0.000	49.772	42.863	40.490	43.883	41.500	0.000	533.039

(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:

[Base Level Information Infrastructure (BLII) Tech Refresh/Integration] FY17 funding is provided for the technical refresh of existing antiquated network equipment and infrastructure that resides on the OCONUS Navy Network (ONE-NET), along with related US Navy pier side infrastructure, for transition to a common Naval Enterprise Networks (NEN) through the institution of a single approved service operating model in conjunction with the Next Generation Enterprise Network (NGEN). Funding will allow for the refresh of 2,000+ network devices that have reached end of life/support and now present security risks to the network, along with 9,000+ antiquated PCs which will be at the end of their warranty.

[Base Level Information Infrastructure (BLII) ORT Cyber Remediation] ORT Cyber Remediation FY17 funding will be used to upgrade current Information Assurance / security technologies deployed on the OCONUS network such as firewalls, virtual private networks, authentications, cryptographic log-ons, and network segregation. Additional details held at a higher level.

[OCONUS/CONUS Piers Tech Refresh/Integration] Piers / Enterprise Pier Connectivity Architecture (EPCA): FY17 funding will be used to upgrade existing End of Life (EOL) infrastructure (routers, switches, servers, etc.) based on a single solution, more specifically EPCA v2.0, for 1 CONUS pier locations at Naval Station Bremerton and 1 OCONUS location at Guam. This technical refresh will allow for the transition of Piers/EPCA into a single global Navy Enterprise Network (NEN) and ensure a common Piers standard worldwide.

[Navy Enterprise Network (NEN) Tech Refresh/Integration] FY17 funding will provide for the required Systems/Security Engineering and Integration, Production, Installation and Implementation of hardware and software in support of the transition of ONE-NET into NNE resulting in a fully integrated, single Navy network with unclassified and classified enclaves operated via a controlled Network Management System that will be compatible with the Joint Information Environment (JIE) and Defense Information Systems Agency (DISA) objectives. FY17 funding will be used to upgrade existing End of Life (EOL) infrastructure (routers, switches, servers, etc...) based on a single solution, more specifically EPCA v2.0, for 3 CONUS pier locations (Naval Station Everett, Naval Air Station Indian Island, Naval Submarine Base Bangor) and 1 OCONUS location (Naval Base Guam). This technical refresh will allow for the transition of Piers/EPCA into a single global Navy Enterprise Network (NEN).

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy										Date: November 2016			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8161 / Enterprise Information Technology					Modification Number / Title: 1 / BLII OCONUS IT Infrastructure			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: [No Model Specified]				Modification Type: TBD				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
<i>Modification Item 1 of 1:</i> BLII OCONUS IT Infrastructure													
B Kits													
Recurring													
1.1.1) Base Level Information Infrastructure (BLII) Tech Refresh/Integration - NonOrganic ⁽⁵⁾	49 / 157.393	14 / 41.819	14 / 52.859	14 / 36.105	- / -	14 / 36.105	14 / 21.392	- / -	- / -	- / -	- / -	105 / 309.568	
1.1.2) Base Level Information Infrastructure (BLII) ORT Cyber Remediation - Organic	- / -	- / 20.775	- / 4.750	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / 26.025	
1.1.3) OCONUS/CONUS Piers Tech Refresh/Integration - NonOrganic ⁽⁶⁾	- / -	3 / 8.384	5 / 6.893	2 / 1.400	- / -	2 / 1.400	- / -	- / -	- / -	- / -	- / -	10 / 16.677	
1.1.4) Navy Enterprise Network (NEN) Tech Refresh/Integration - NonOrganic ⁽⁷⁾	- / -	- / -	- / -	4 / 5.711	- / -	4 / 5.711	13 / 15.696	40 / 34.657	40 / 38.526	40 / 36.225	- / -	137 / 130.815	
<i>Subtotal: Recurring</i>	- / 157.393	- / 70.978	- / 64.502	- / 43.716	- / -	- / 43.716	- / 37.088	- / 34.657	- / 38.526	- / 36.225	- / 0.000	- / 483.085	
<i>Subtotal: BLII OCONUS IT Infrastructure</i>	49 / 157.393	17 / 70.978	19 / 64.502	20 / 43.716	- / -	20 / 43.716	27 / 37.088	40 / 34.657	40 / 38.526	40 / 36.225	- / -	252 / 483.085	
<i>Subtotal: Procurement, All Modification Items</i>	- / 157.393	- / 70.978	- / 64.502	- / 43.716	- / -	- / 43.716	- / 37.088	- / 34.657	- / 38.526	- / 36.225	- / 0.000	- / 483.085	
Support (All Modification Items)													
2.1) Base Level Information Infrastructure (BLII) Production Support	- / 7.504	- / 3.890	- / 3.703	- / 2.428	- / 0.000	- / 2.428	- / 0.184	- / 0.000	- / 0.000	- / 0.000	- / -	- / 17.709	
2.2) CONUS/OCONUS Piers Production Support ⁽⁸⁾	- / 0.000	- / 0.640	- / 0.439	- / 0.044	- / 0.000	- / 0.044	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 1.123	
2.3) Navy Enterprise Network (NEN) Production Support ⁽⁹⁾	- / 0.000	- / 0.000	- / 0.000	- / 0.399	- / 0.000	- / 0.399	- / 2.200	- / 2.229	- / 2.475	- / 2.327	- / -	- / 9.630	
<i>Subtotal: Support</i>	- / 7.504	- / 4.530	- / 4.142	- / 2.871	- / -	- / 2.871	- / 2.384	- / 2.229	- / 2.475	- / 2.327	- / 0.000	- / 28.462	
Installation													
<i>Modification Item 1 of 1:</i> BLII OCONUS IT Infrastructure	- / 0.574	- / 0.549	- / 4.359	- / 3.185	- / 0.000	- / 3.185	- / 3.391	- / 3.604	- / 2.882	- / 2.948	- / 0.000	- / 21.492	
<i>Subtotal: Installation</i>	- / 0.574	- / 0.549	- / 4.359	- / 3.185	- / -	- / 3.185	- / 3.391	- / 3.604	- / 2.882	- / 2.948	- / 0.000	- / 21.492	
Total													
Total Cost (Procurement + Support + Installation)	165.471	76.057	73.003	49.772	0.000	49.772	42.863	40.490	43.883	41.500	0.000	533.039	

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Modification Number / Title: 1 / BLII OCONUS IT Infrastructure
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Modification Item 1 of 1: BLII OCONUS IT Infrastructure

Manufacturer Information

Manufacturer Name: HP				Manufacturer Location: SAN DIEGO, CA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 2			
Dates	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Contract Dates	May 2015	Feb 2016	Feb 2017				
Delivery Dates	Jun 2015	Apr 2016	Apr 2017				

Manufacturer Name: SSC PAC				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 4			
Dates	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Contract Dates	Feb 2015	Feb 2016	Feb 2017				
Delivery Dates	Jun 2015	Jun 2016	Jun 2017				

Manufacturer Name: SSC PAC-- San Diego, CA				Manufacturer Location: San Diego, CA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 4			
Dates	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Contract Dates		Feb 2016	Feb 2017				
Delivery Dates		Jun 2016	Jun 2017				

Installation Information

Method of Implementation: [none specified]:: **Installation Name:** Base Level Information Infrastructure (BLII) Tech Refresh/Inte

Installation Cost	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	49 / 0.574	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	49 / 0.574
FY 2015	- / -	14 / 0.191	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	14 / 0.191
FY 2016	- / -	- / -	14 / 2.822	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	14 / 2.822
FY 2017	- / -	- / -	- / -	14 / 2.641	0 / 0.000	14 / 2.641	- / -	- / -	- / -	- / -	0 / 0.000	14 / 2.641
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.451	- / -	- / -	- / -	0 / 0.000	14 / 1.451
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	49 / 0.574	14 / 0.191	14 / 2.822	14 / 2.641	0 / 0.000	14 / 2.641	14 / 1.451	- / -	- / -	- / -	0 / 0.000	105 / 7.679

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Modification Number / Title: 1 / BLII OCONUS IT Infrastructure
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Modification Item 1 of 1: BLII OCONUS IT Infrastructure

Installation Information

Method of Implementation: [none specified]:: Installation Name: Base Level Information Infrastructure (BLII) Tech Refresh/Inte

Installation Schedule

	PYS	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	49	-	-	14	-	-	-	-	14	-	-	-	-	14	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	
Out	35	14	-	-	2	6	6	-	2	6	6	-	2	6	6	-	2	6	6	-	-	-	-	-	-	-	-	-	-	-	

Method of Implementation: [none specified]:: Installation Name: OCONUS/CONUS Piers Tech Refresh/Integration

Installation Cost	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
	Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	3 / 0.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	3 / 0.358
FY 2016	- / -	- / -	5 / 1.537	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	5 / 1.537
FY 2017	- / -	- / -	- / -	2 / 0.150	0 / 0.000	2 / 0.150	- / -	- / -	- / -	- / -	0 / 0.000	2 / 0.150
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	3 / 0.358	5 / 1.537	2 / 0.150	0 / 0.000	2 / 0.150	- / -	- / -	- / -	- / -	0 / 0.000	10 / 2.045

Installation Schedule

	PYS	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	3	-	-	-	-	5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Out	-	-	-	-	2	1	-	-	-	2	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Method of Implementation: [none specified]:: Installation Name: Navy Enterprise Network (NEN) Tech Refresh/Integration

Installation Cost	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
	Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Modification Number / Title: 1 / BLII OCONUS IT Infrastructure
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Modification Item 1 of 1: BLII OCONUS IT Infrastructure

Installation Information

Method of Implementation: [none specified]:: Installation Name: Navy Enterprise Network (NEN) Tech Refresh/Integration

Installation Cost	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	- / -	- / -	- / -	4 / 0.394	0 / 0.000	4 / 0.394	- / -	- / -	- / -	- / -	0 / 0.000	4 / 0.394
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	13 / 1.940	- / -	- / -	- / -	0 / 0.000	13 / 1.940
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 3.604	- / -	- / -	0 / 0.000	40 / 3.604
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 2.882	- / -	0 / 0.000	40 / 2.882
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 2.948	0 / 0.000	40 / 2.948
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 0.394	0 / 0.000	4 / 0.394	13 / 1.940	40 / 3.604	40 / 2.882	40 / 2.948	0 / 0.000	137 / 11.768

Installation Schedule

	PYS	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	13	-	-	-	40	-	-	-	40	-	-	-	40	-	-	-	137
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	3	10	-	-	10	20	10	-	-	10	10	10	20	30	137	

Footnotes:

(5) BLII quantities represent the number of operational OCONUS sites (14). Unit cost fluctuations are a direct result of the wide variation in number of users per site as well as the type of effort being funded/equipment being refreshed. Unit costs also include the cost of transition which funds additional capabilities required to transition to Navy Enterprise Network (NEN). Budget submission is based on the assumption that every BLII OCONUS site will be "touched" in some capacity each fiscal year (whether it be for PC refresh, Server Farm refresh, Network Device Replacement, or installation of a new capability). BLII's install output is dependent on the region/site and complexity of the installation.

(6) Piers quantities represent the number of operational US NAVY pierside locations that will be "touched" in some capacity each fiscal year. Unit cost fluctuations are a direct result of the various sizes of each location. Location size determines the cost and amount of equipment that needs to be procured and installed. Piers (EPCA) will begin transition into Navy Enterprise Network (NEN) during FY17 with full transition during FY18 with the NGEN Follow on Recompete Effort.

(7) Navy Enterprise Network (NEN) will be provided as a turnkey solution. Quantities represent the number of operational OCONUS/CONUS sites that will be "touched" in some capacity each fiscal year (whether it be for PC refresh, Server Farm refresh, Network Device Replacement, or installation of a new capability). Unit cost fluctuations are a direct result of the wide variation in number of users per site as well as the type of effort being funded/equipment being refreshed. Transition from BLII and Piers/EPCA tech refresh/integration into Navy Enterprise Network (NEN) will begin in FY17 and fully transition in FY18/ FY19 with the NGEN Follow on Recompete Effort. Piers/EPCA will fully transition in FY18 and BLII will fully transition in FY19. NEN will provide a common and shared global Navy Network in order to reduce network outages, increased down time, and vulnerability to security threats. NEN will provide enterprise services such as email, Internet/Web access and common software applications by increasing operational efficiency, enhanced network security and cost savings through reduced infrastructure and manpower.

(8) In FY17, Piers/EPCA production support dollars will begin to transition into Navy Enterprise Network (NEN) Production Support.

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Modification Number / Title: 1 / BLII OCONUS IT Infrastructure
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
⁽⁹⁾ Production Support for NEN will begin in FY17 with the transition of Base Level Information Infrastructure (BLII) and Piers/EPCA to Navy Enterprise Network (NEN).		

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Modification Number / Title: 2 / Telephony

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	23.331	9.415	15.994	12.453	0.000	12.453	15.551	14.861	14.570	14.564	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	23.331	9.415	15.994	12.453	0.000	12.453	15.551	14.861	14.570	14.564	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	23.331	9.415	15.994	12.453	0.000	12.453	15.551	14.861	14.570	14.564	Continuing	Continuing

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Telephony Suite Replacement and Modernization (IT006):

The Department of Defense (DoD), Chief Information Officer (CIO) Memorandum of 5 November 2015 "DoD CIO Capability Priorities for Fiscal Years 2018-2022" lists as a priority, the modernization of network infrastructure to be regionally based, centrally managed and cyber secure. This includes migrating existing infrastructure from Time Division Multiplexing (TDM) to Internet Protocol (IP) based communications to enable Unified Capabilities (UC). Telephony procures and integrates Commercial-Off-The-Shelf (COTS) hardware and software to meet the DoD-CIO TDM to IP mandate for the Navy. All efforts are performed in accordance with policy and procedures set forth in Department of Defense Instruction (DoDI) 8100.03, Chairman of the Joint Chiefs of Staff Instruction (CJCSI) 6212.01 and CJCSI 6215.01D and DoD Unified Capabilities Requirement 2013. Program requirements include: Voice over Internet Protocol (VoIP), Voice over Secure Internet Protocol (VoSIP), Video Conferencing over Secure Internet Protocol (VTCoSIP), Telephony Unified Messaging System (TUMS), Regional Telephony Management System (RTMS), Navy Video Conferencing System (NVCS), NVCS Coalition, and Telephony systems infrastructure (e.g. cable plant). Telephony system installations and/or upgrades occur at facilities in accordance with requirements as identified by Navy Information Dominance Forces (NAVIDFOR), Office of the Chief of Naval Operations (OPNAV), and Missile Defense Agency (MDA) (i.e. FLTNOCs, Fleet Telecommunications sites, and Aegis Ashore Sites).

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy										Date: November 2016			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8161 / Enterprise Information Technology					Modification Number / Title: 2 / Telephony			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: [No Model Specified]				Modification Type: TBD				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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													
<i>Modification Item 1 of 1:</i> Telephony													
B Kits													
Recurring													
1.1.1) Telephony Replacement/Modernization (Voice) 1.2 - NonOrganic ⁽¹⁰⁾	5 / 22.031	2 / 8.831	2 / 13.399	2 / 8.826	- / -	2 / 8.826	2 / 11.097	2 / 10.947	2 / 11.245	2 / 11.166	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 22.031	- / 8.831	- / 13.399	- / 8.826	- / -	- / 8.826	- / 11.097	- / 10.947	- / 11.245	- / 11.166	Continuing	Continuing	
<i>Subtotal: Telephony</i>	5 / 22.031	2 / 8.831	2 / 13.399	2 / 8.826	- / -	2 / 8.826	2 / 11.097	2 / 10.947	2 / 11.245	2 / 11.166	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 22.031	- / 8.831	- / 13.399	- / 8.826	- / -	- / 8.826	- / 11.097	- / 10.947	- / 11.245	- / 11.166	Continuing	Continuing	
Support (All Modification Items)													
2.1) Telephony Production Support	- / -	- / 0.584	- / 1.009	- / 0.667	- / -	- / 0.667	- / 0.654	- / 0.664	- / 0.740	- / 0.761	Continuing	Continuing	
<i>Subtotal: Support</i>	- / 0.000	- / 0.584	- / 1.009	- / 0.667	- / -	- / 0.667	- / 0.654	- / 0.664	- / 0.740	- / 0.761	Continuing	Continuing	
Installation													
<i>Modification Item 1 of 1:</i> Telephony	- / 1.300	- / 0.000	- / 1.586	- / 2.960	- / 0.000	- / 2.960	- / 3.800	- / 3.250	- / 2.585	- / 2.637	Continuing	Continuing	
<i>Subtotal: Installation</i>	- / 1.300	- / -	- / 1.586	- / 2.960	- / -	- / 2.960	- / 3.800	- / 3.250	- / 2.585	- / 2.637	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	23.331	9.415	15.994	12.453	0.000	12.453	15.551	14.861	14.570	14.564	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Modification Number / Title: 2 / Telephony
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Modification Item 1 of 1: Telephony

Manufacturer Information

Manufacturer Name: New - TBD ⁽¹¹⁾	Manufacturer Location: TBD
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 2

Dates	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Contract Dates			Mar 2017				
Delivery Dates			May 2017				

Manufacturer Name: DLA Troop Support ⁽¹²⁾	Manufacturer Location: Philadelphia, PA 19111-5092
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 2

Dates	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Contract Dates	Jul 2015	Mar 2016					
Delivery Dates	Sep 2015	May 2016					

Installation Information

Method of Implementation: [none specified]:: Installation Name: Telephony Replacement/Modernization (Voice) 1.2

Installation Cost	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	5 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	5 / 1.300
FY 2015	- / -	- / -	2 / 1.586	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	2 / 1.586
FY 2016	- / -	- / -	- / -	2 / 2.960	0 / 0.000	2 / 2.960	- / -	- / -	- / -	- / -	0 / 0.000	2 / 2.960
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.800	- / -	- / -	- / -	0 / 0.000	2 / 3.800
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.250	- / -	- / -	0 / 0.000	2 / 3.250
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.585	- / -	0 / 0.000	2 / 2.585
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.637	0 / 0.000	2 / 2.637
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 1.300	- / -	2 / 1.586	2 / 2.960	0 / 0.000	2 / 2.960	2 / 3.800	2 / 3.250	2 / 2.585	2 / 2.637	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Modification Number / Title: 2 / Telephony
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: Telephony

Installation Information

Method of Implementation: [none specified]:: Installation Name: Telephony Replacement/Modernization (Voice) 1.2

Installation Schedule																															
	PYS	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	5	-	-	-	-	-	2	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	19
Out	5	-	-	-	-	-	-	-	2	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	2	19

Footnotes:

⁽¹⁰⁾ IT006 Procure/Install Cost: Telephony quantities represent number of regions. Each region has numerous sites. Unit and installation costs vary based on the location of the region/site (CONUS, OCONUS), number of sites in the region, the various site architectures and requirements, the age and type of systems modernized, and user density (number of users). (Regions: Naval Computer and Telecommunication Area Master Station (NCTAMS) Pacific, NCTAMS Atlantic, Naval Computer and Telecommunications Station (NCTS) Naples, NCTS Bahrain, and NCTS San Diego). - Installation schedule reflects 6 months of integration and PITCO after delivery and prior to installation. - FY17 decreased procurement cost due to fewer number of sites and specific site requirements in these two regions. - FY17 increased installation cost due to the number of installation sites and complexity of the installations.

⁽¹¹⁾ FY17 - New contract

⁽¹²⁾ FY15 Contract Award delayed to due change in contract strategy.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 5: Other	P-1 Line Item Number / Title: 8150 / Cancelled Account Adjustments
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.074
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.074
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.074

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

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

Description:

Funding is to reimburse the Department of Treasury for cancelled account liabilities.

Justification:

Funding is to reimburse the Department of Treasury for cancelled account liabilities.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 5: Other	P-1 Line Item Number / Title: 8164 / Next Generation Enterprise Service
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	106.165	99.014	98.216	0.000	98.216	144.000	116.884	99.906	118.022	-	782.207
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	106.165	99.014	98.216	0.000	98.216	144.000	116.884	99.906	118.022	-	782.207
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	106.165	99.014	98.216	0.000	98.216	144.000	116.884	99.906	118.022	-	782.207

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

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

Description:

Next Generation Enterprise Network (NGEN) is an enterprise network which will provide secure, net-centric data and services to Navy and Marine Corps personnel and represents the continuous evolution of information technology at the Department of Navy (DoN). NGEN forms the foundation for the DoN's future Naval Network Environment that will be interoperable with and leverage other Department of Defense-provided Net-Centric Enterprise Services.

The Joint Regional Security Stack (JRSS) is a suite of equipment that provides firewall functionality, intrusion detection and prevention, enterprise management, virtual routing and forwarding (VRF), and a host of network security capabilities. JRSS will improve mission effectiveness, synchronize Combatant Commands/Services/Agency network operations, reduce the cyber-attack surface, seams between security and Service boundaries, and increase sharing with lower risk as well as improve IT efficiencies.

[P5 / NGEN - Technical Refresh (TR)]: Funds will continue procurement of TR required for all equipment "behind the wall plug" in accordance with the NGEN Technical Refresh Plan (TRP), and the repair components required to support the network. All assets are Government Owned / Contractor Operated (GO/CO) and procurement of these assets will continue in FY17 and the out years.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 5: Other	P-1 Line Item Number / Title: 8164 / Next Generation Enterprise Service
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Next Generation Enterprise Service				- / 0.000	- / 106.165	- / 99.014	- / 98.216	- / 0.000	- / 98.216
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 106.165	- / 99.014	- / 98.216	- / 0.000	- / 98.216

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 In FY17, the Next Generation Enterprise Network (NGEN) will utilize the funding to pay for the NGEN Tech Refresh Plan (TRP), and the Joint Regional Security Stack (JRSS) infrastructure which is 7 Installation Processing Nodes (IPNs) at 7 different CONUS/OCONUS locations (Bremerton, Kansas City, Norfolk, Jacksonville, Naples, Bahrain, Yokosuka). The proposed Single Security Architecture (SSA) design will provide Information Assurance (IA) capabilities. The IPN SSA has to be co-located with the application servers to preserve IA capabilities, reduce application latency, and ensure continued application usage during WAN outages at major bases.

The funding will also support replacement of End-of-Life Firewalls and Routers as part of the Operation Rolling Tide/ Cyber Resiliency effort.

FY 2017 decrease in Next Generation Enterprise Service OPN by \$4.017M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

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Exhibit P-5, Cost Analysis: PB Amended 2017 Navy		Date: November 2016
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5	P-1 Line Item Number / Title: 8164 / Next Generation Enterprise Service	Item Number / Title [DODIC]: 1 / Next Generation Enterprise Service

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	106.165	99.014	98.216	0.000	98.216
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	106.165	99.014	98.216	0.000	98.216
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	106.165	99.014	98.216	0.000	98.216

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

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

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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)
Hardware - Hardware NGEN - R Cost																		
Recurring Cost																		
1.1.1) NGEN - Technical Refresh (TR)	-	-	-	-	-	88.540	-	-	67.014	-	-	73.088	-	-	-	-	-	73.088
1.1.2) NGEN - Operation Rolling Tide / Cyber Resiliency	-	-	-	-	-	17.625	-	-	32.000	-	-	0.500	-	-	-	-	-	0.500
1.1.3) NGEN- Joint Regional Security Stack (JRSS)	-	-	-	-	-	-	-	-	-	-	-	24.628	-	-	-	-	-	24.628
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	106.165	-	-	99.014	-	-	98.216	-	-	-	-	-	98.216
<i>Subtotal: Hardware - Hardware NGEN - R Cost</i>	-	-	-	-	-	106.165	-	-	99.014	-	-	98.216	-	-	-	-	-	98.216
Gross/Weapon System Cost	-	-	0.000	-	-	106.165	-	-	99.014	-	-	98.216	-	-	0.000	-	-	98.216

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1810N: Other Procurement, Navy / BA 08: Spares and Repair Parts / BSA 1: Spares
 And Repair Parts **P-1 Line Item Number / Title:**
 9020 / Spares and Repair Parts

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

Line Item MDAP/MAIS Code: 000

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	302.471	307.464	199.660	0.000	199.660	223.729	233.073	248.760	224.353	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	302.471	307.464	199.660	0.000	199.660	223.729	233.073	248.760	224.353	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	302.471	307.464	199.660	0.000	199.660	223.729	233.073	248.760	224.353	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	0.454	-	0.454	0.456	0.480	0.507	0.521	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Decrease in Spares and Repair Parts by \$10.6M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

OPN-8 Budget Activity (BA-08) funds Spares and Repair parts identified in Budget Activities (BA 01-07), which are required during the Interim pre-MSD period in support of Initial and Vendor Direct spares requirements, and Outfitting Spares requirements during the post MSD period. The interim period accounts for the initial material support requirements, i.e Installation and Check-Out Initial (INCO-I), Installation and Check-Out Replenishment (INCO-R), On board Repair Parts (OBRPs), and Maintenance Assistance Modules (MAMs). These spares funds procure repairable and consumable items to be provided to active ships, shore sites and expeditionary units for installation and maintenance of new equipment/capabilities and modernization /upgrades financed in OPN BAs 1-7. Vendor Direct material requirements acquired in the interim period supports the Depot turn-a-round, and Depot through put capabilities for Appropriation Procurement Accounts. The Outfitting period funds and supports authorized Allowance Change Requests (ACRs), Range and Depth increases, Modernization to support new/upgraded equipment installs, Maintenance Changes to previously Installed equipment, as well as CNO directed availabilities and RCOH efforts.

OPN-8 funding additionally provides for the Initial lay in of Shore Based support requirements in support of Expeditionary Combat Forces and EOD units approved by OPNAV and FMB as appropriate.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2017 Navy **Date:** November 2016

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 08: Spares and Repair Parts / BSA 1: Spares And Repair Parts **P-1 Line Item Number / Title:** 9020 / Spares and Repair Parts

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

Line Item MDAP/MAIS Code: 000

Exhibits Schedule					Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-18	OPN spares				- / -	- / 302.471	- / 307.464	- / 199.660	- / -	- / 199.660
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 302.471	- / 307.464	- / 199.660	- / 0.000	- / 199.660

Title represents the P-18 Title for Spares.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB Amended 2017 Navy					Date: November 2016		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 08 / 1		P-1 Line Item Number / Title: 9020 / Spares and Repair Parts			Title: OPN spares		
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2015 (\$ M)	FY 2016 (\$ M)	FY 2017 Base (\$ M)	FY 2017 OCO (\$ M)	FY 2017 Total (\$ M)	
Initial							
BA 01 - Ships Support Equipment							
0140 / Hybrid Electric Drive (HED)	-	0.831	0.581	0.468	-	0.468	
0200 / Surface Combatant HM&E	-	0.140	0.188	0.157	-	0.157	
0831 / Sub Periscopes & Imaging Equip	-	4.791	5.797	0.000	-	0.000	
0840 / Sub Periscope, Imaging and Supt Equip Prog	-	-	-	2.377	-	2.377	
0900 / DDG Mod	-	7.927	26.194	12.862	-	12.862	
0920 / Outfitting-COSAL	-	110.010	99.735	76.602	-	76.602	
0934 / LCC 19/20 Extended Service Life Program	-	0.158	0.022	0.000	-	0.000	
0935 / Pollution Control Equipment	-	0.353	0.206	0.078	-	0.078	
0942 / Virginia Class Support Equipment	-	1.363	1.856	1.894	-	1.894	
0944 / LCS Class Support Equipment	-	1.749	2.693	1.823	-	1.823	
0960 / CG Modernization	-	-	-	3.588	-	3.588	
0977 / Underwater EOD Programs	-	14.957	6.075	1.786	-	1.786	
0981 / Items less than \$5 Million	-	0.093	0.183	0.000	-	0.000	
1210 / Standard Boats	-	0.440	-	0.000	-	0.000	
1600 / LCS Common Mission Modules Equipment	-	1.289	2.173	0.061	-	0.061	
1601 / LCS MCM Mission Modules	-	4.400	0.966	3.964	-	3.964	
1602 / LCS ASW Mission Modules	-	-	0.954	0.080	-	0.080	
1603 / LCS SUW Mission Modules	-	4.739	2.242	0.000	-	0.000	
BA 02 - Communications & Electronics Equip							
2026 / SPQ-9B Radar	-	0.558	0.503	0.550	-	0.550	
2040 / Radar Support	-	-	17.993	0.000	-	0.000	
2136 / AN/SQQ-89 Surf ASW Cmbt Sys	-	0.946	2.927	2.058	-	2.058	
2147 / SSN Acoustics	-	9.113	15.391	0.000	-	0.000	
2150 / SSN Acoustic Equipment	-	-	-	8.178	-	8.178	
2176 / Undersea Warfare Support Equipment	-	0.088	0.052	0.000	-	0.000	
2181 / Sonar Switches and Transducers	-	0.672	0.517	0.000	-	0.000	
2188 / Electronic Warfare MILDEC	-	2.000	-	0.000	-	0.000	
2210 / Submarine Acoustic Warfare System	-	0.251	0.401	0.366	-	0.366	
2213 / Surface Ship Torpedo Def (SSTD)	-	-	0.753	0.535	-	0.535	
2237 / SURTASS	-	0.073	0.795	0.000	-	0.000	

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB Amended 2017 Navy							Date: November 2016	
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 08 / 1			P-1 Line Item Number / Title: 9020 / Spares and Repair Parts				Title: OPN spares	
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2015 (\$ M)	FY 2016 (\$ M)	FY 2017 Base (\$ M)	FY 2017 OCO (\$ M)	FY 2017 Total (\$ M)		
2246 / Maritime Patrol and Reconnaissance Force	-	0.526	0.722	0.357	-	0.357		
2312 / AN/SLQ-32	-	5.168	4.228	1.002	-	1.002		
2360 / Shipboard IW Exploit	-	6.448	4.126	1.375	-	1.375		
2560 / Submarine Supt Equip Prog	-	4.684	1.972	0.000	-	0.000		
2606 / Cooperative Engagement Capability	-	2.423	1.413	1.078	-	1.078		
2608 / Trusted Information System (TIS)	-	-	0.008	0.004	-	0.004		
2611 / Naval Tact Cmd Supt Sys (NTCSS)	-	0.462	0.219	0.122	-	0.122		
2614 / Adv Tact Data Link Sys (ATDLS)	-	1.004	1.225	0.824	-	0.824		
2618 / Navy Command and Control System (NCCS)	-	0.082	0.060	0.029	-	0.029		
2622 / Minesweeping System Replacement	-	1.403	0.498	0.830	-	0.830		
2624 / Shallow Water Mine CM Ship	-	-	1.925	0.523	-	0.523		
2657 / NAVSTAR GPS Receivers (Space)	-	0.161	0.263	0.062	-	0.062		
2666 / American Forces Radio and TV Service (AFRTS)	-	0.385	-	0.000	-	0.000		
2676 / Strategic Platform Support Equip	-	1.894	0.989	1.224	-	1.224		
2762 / Other Training Equipment	-	0.270	0.232	0.000	-	0.000		
2804 / Depl JT Cmd & Control (DJC2)	-	0.295	0.293	0.000	-	0.000		
2815 / MATCALs	-	2.680	0.609	0.000	-	0.000		
2820 / Ashore ATC Equipment	-	-	-	4.018	-	4.018		
2830 / Afloat ATC Equipment	-	-	-	0.099	-	0.099		
2831 / Shipboard Air Traffic Control	-	0.093	-	0.000	-	0.000		
2832 / Automatic Carrier Landing System	-	0.461	1.014	0.000	-	0.000		
2840 / National Air Space System	-	0.973	3.323	0.000	-	0.000		
2845 / Fleet Air Traffic Control Systems	-	0.204	0.724	0.000	-	0.000		
2851 / ID Systems	-	0.050	0.067	0.076	-	0.076		
2876 / Naval Mission Planning Systems	-	0.736	-	0.377	-	0.377		
2906 / Tactical/Mobile C4I Systems	-	0.320	0.495	0.277	-	0.277		
2914 / Distributed Common Ground System-Navy (DCGS-N)	-	1.287	2.319	0.403	-	0.403		
2915 / CANES	-	10.393	10.061	3.573	-	3.573		
2960 / Integ Combat System Test Facility	-	0.622	0.498	0.195	-	0.195		
2980 / Items less than \$5 Million	-	1.351	1.348	0.598	-	0.598		
3010 / Shipboard Tactical Comms	-	-	0.113	0.004	-	0.004		
3050 / Ship Communications Automation	-	0.137	0.176	0.023	-	0.023		

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB Amended 2017 Navy							Date: November 2016		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 08 / 1			P-1 Line Item Number / Title: 9020 / Spares and Repair Parts				Title: OPN spares		
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2015 (\$ M)	FY 2016 (\$ M)	FY 2017 Base (\$ M)	FY 2017 OCO (\$ M)	FY 2017 Total (\$ M)			
3057 / Communications Items under \$5M	-	0.699	0.513	0.024	-	0.024			
3107 / Submarine Broadcast Support	-	0.988	0.453	0.030	-	0.030			
3130 / Submarine Communication Equipment	-	1.699	1.048	0.305	-	0.305			
3215 / Satellite Communications Systems	-	2.938	1.254	0.056	-	0.056			
3216 / Navy Multiband Terminal (NMT)	-	2.277	0.143	0.040	-	0.040			
3415 / Info Systems Security Program (ISSP)	-	0.641	1.520	0.163	-	0.163			
3620 / Coast Guard Equipment	-	0.176	-	0.000	-	0.000			
BA 03 - Aviation Support Equipment									
4204 / Weapons Range Support Equipment	-	3.596	3.423	3.000	-	3.000			
4213 / Aircraft Support Equipment	-	13.411	9.251	3.329	-	3.329			
4226 / Meteorological Equipment	-	2.006	0.267	0.169	-	0.169			
4242 / DCRS/DPL	-	0.126	0.142	0.155	-	0.155			
4248 / Aviation Mine Countermeasures	-	8.142	1.368	0.486	-	0.486			
4268 / Aviation Support Equipment	-	1.636	3.249	1.597	-	1.597			
BA 04 - Ordnance Support Equipment									
5111 / Ship Gun Systems Equipment	-	0.034	0.007	0.007	-	0.007			
5231 / Ship Missile Support Equipment	-	5.104	7.453	8.192	-	8.192			
5253 / Tomahawk Support Equipment	-	0.311	0.161	0.177	-	0.177			
5358 / Strategic Missile Systems Equip	-	-	-	0.140	-	0.140			
5420 / SSN Combat Control Systems	-	2.034	2.667	1.771	-	1.771			
5509 / Explosive Ordnance Disposal Equip	-	0.796	-	0.000	-	0.000			
5661 / Submarine Training Device Mods	-	-	0.112	0.367	-	0.367			
5662 / Training Device Mods	-	0.231	0.133	0.119	-	0.119			
BA 05 - Civil Engineering Support Equip									
6033 / Amphibious Equipment	-	0.538	0.213	0.000	-	0.000			
6060 / Items under \$5 million	-	0.031	0.041	0.033	-	0.033			
9501 / Spares for Rolling Stock	-	0.235	0.179	0.124	-	0.124			
BA 07 - Personnel & Command Support Equip									
8106 / Command Support Equipment	-	0.038	0.168	0.005	-	0.005			
8128 / Physical Security Equipment	-	-	0.383	0.309	-	0.309			
8161 / Enterprise Information Technology	-	0.819	1.117	0.172	-	0.172			
BA 08 - Spares and Repair Parts									

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB Amended 2017 Navy						Date: November 2016	
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 08 / 1			P-1 Line Item Number / Title: 9020 / Spares and Repair Parts			Title: OPN spares	
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2015 (\$ M)	FY 2016 (\$ M)	FY 2017 Base (\$ M)	FY 2017 OCO (\$ M)	FY 2017 Total (\$ M)	
9020 / Spares and Repair Parts	-	-	-	0.454	-	0.454	
Subtotal: Initial	-	259.959	263.382	155.724	-	155.724	
Replenishment							
BA 01 - Ships Support Equipment							
0831 / Sub Periscopes & Imaging Equip	-	2.921	1.941	0.000	-	0.000	
0840 / Sub Periscope, Imaging and Supt Equip Prog	-	-	-	2.796	-	2.796	
0942 / Virginia Class Support Equipment	-	4.550	6.343	1.483	-	1.483	
0950 / Strategic Platform Support Equip	-	2.652	2.823	12.473	-	12.473	
1600 / LCS Common Mission Modules Equipment	-	0.315	0.832	0.882	-	0.882	
BA 02 - Communications & Electronics Equip							
2130 / Surface Sonar Support Equipment	-	3.422	3.403	0.976	-	0.976	
2136 / AN/SQQ-89 Surf ASW Cmbt Sys	-	5.703	3.712	4.734	-	4.734	
2145 / AN/BQQ-5	-	7.242	5.037	4.769	-	4.769	
2210 / Submarine Acoustic Warfare System	-	0.832	1.057	0.847	-	0.847	
2213 / Surface Ship Torpedo Def (SSTD)	-	0.280	0.276	0.247	-	0.247	
2237 / SURTASS	-	2.652	3.804	3.102	-	3.102	
2622 / Minesweeping System Replacement	-	0.488	0.956	0.995	-	0.995	
2624 / Shallow Water Mine CM Ship	-	-	-	0.038	-	0.038	
BA 03 - Aviation Support Equipment							
4248 / Aviation Mine Countermeasures	-	1.803	2.007	1.825	-	1.825	
BA 04 - Ordnance Support Equipment							
5111 / Ship Gun Systems Equipment	-	4.075	5.973	3.911	-	3.911	
5253 / Tomahawk Support Equipment	-	-	0.528	0.289	-	0.289	
5358 / Strategic Missile Systems Equip	-	3.400	3.452	2.961	-	2.961	
5420 / SSN Combat Control Systems	-	0.493	0.512	0.339	-	0.339	
5429 / ASW Support Equipment	-	1.312	1.426	1.269	-	1.269	
BA 08 - Spares and Repair Parts							
9999 / All Other OPN	-	0.372	-	0.000	-	0.000	
Subtotal: Replenishment	-	42.512	44.082	43.936	-	43.936	
Total Cost (Initial + Replenishment)	-	302.471	307.464	199.660	-	199.660	