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**Department of Defense
Fiscal Year (FY) 2017 President's Budget Submission**

February 2016



Navy

Justification Book Volume 4 of 4

Aircraft Procurement, Navy

Budget Activity 07

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The estimated cost for this report for the Department of the Navy (DON) is \$2,614.

The estimated total cost for supporting the DON budget justification material is approximately \$1,834,000 for the 2016 fiscal year. This includes \$75,200 in supplies and \$1,758,800 in labor.

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Department of Defense Appropriations Act, 2017

Aircraft Procurement, Navy

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment; 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, \$14,502,178,000, to remain available for obligation until September 30, 2019.

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Department of the Navy
 FY 2017 President's Budget
 Exhibit P-1 FY 2017 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

14 Jan 2016

Appropriation -----	FY 2015 (Base & OCO) -----	FY 2016 Base Enacted -----	FY 2016 OCO Enacted -----	FY 2016 Total Enacted -----
Aircraft Procurement, Navy	14,997,923	17,719,209	210,990	17,930,199
Total Department of the Navy	14,997,923	17,719,209	210,990	17,930,199

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Department of the Navy
FY 2017 President's Budget
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Total Obligational Authority
(Dollars in Thousands)

14 Jan 2016

Appropriation -----	FY 2017 Base -----	FY 2017 OCO -----	FY 2017 Total -----
Aircraft Procurement, Navy	14,109,148	393,030	14,502,178
Total Department of the Navy	14,109,148	393,030	14,502,178

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Department of the Navy
 FY 2017 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

14 Jan 2016

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2015 (Base & OCO) -----	FY 2016 Base Enacted -----	FY 2016 OCO Enacted -----	FY 2016 Total Enacted -----
01. Combat Aircraft	10,636,707	12,205,031		12,205,031
03. Trainer Aircraft		8,914		8,914
04. Other Aircraft	314,623	1,011,394	53,848	1,065,242
05. Modification of Aircraft	2,328,627	2,495,844	156,199	2,652,043
06. Aircraft Spares and Repair Parts	1,242,510	1,463,515		1,463,515
07. Aircraft Support Equip & Facilities	475,456	534,511	943	535,454
Total Aircraft Procurement, Navy	14,997,923	17,719,209	210,990	17,930,199

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Department of the Navy
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 (Dollars in Thousands)

14 Jan 2016

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2017 Base -----	FY 2017 OCO -----	FY 2017 Total -----
01. Combat Aircraft	8,946,852	184,912	9,131,764
03. Trainer Aircraft	5,849		5,849
04. Other Aircraft	690,810	70,000	760,810
05. Modification of Aircraft	2,565,436	136,094	2,701,530
06. Aircraft Spares and Repair Parts	1,407,626	1,500	1,409,126
07. Aircraft Support Equip & Facilities	492,575	524	493,099
Total Aircraft Procurement, Navy	14,109,148	393,030	14,502,178

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Department of the Navy
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 (Dollars in Thousands)

14 Jan 2016

Appropriation: 1506N Aircraft 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: Combat Aircraft											

Combat Aircraft											
1	EA-18G	B	15	1,503,534	10	858,000			10	858,000	U
2	F/A-18E/F (Fighter) Hornet	A			5	350,000			5	350,000	U
3	Joint Strike Fighter CV	A	4	(927,568)	6	(1,062,542)			6	(1,062,542)	U
	Less: Advance Procurement (PY)			(-79,016)		(-29,400)				(-29,400)	U
				-----		-----				-----	
				848,552		1,033,142				1,033,142	
4	Joint Strike Fighter CV										
	Advance Procurement (CY)			29,400		48,630				48,630	U
	C (FY 2015 for FY 2016) (M)			(29,400)							
	C (FY 2016 for FY 2017) (M)					(48,630)				(48,630)	
	C (FY 2017 for FY 2018) (M)										
5	JSF STOVL		6	(1,287,605)	15	(2,291,599)			15	(2,291,599)	U
	Less: Advance Procurement (PY)			(-103,195)		(-143,885)				(-143,885)	U
				-----		-----				-----	
				1,184,410		2,147,714				2,147,714	
6	JSF STOVL										
	Advance Procurement (CY)			143,885		203,060				203,060	U
	C (FY 2015 for FY 2016) (M)			(143,885)							
	C (FY 2016 for FY 2017) (M)					(203,060)				(203,060)	
	C (FY 2017 for FY 2018) (M)										
7	CH-53K (Heavy Lift)	A									U
	Less: Advance Procurement (PY)										U
				-----		-----				-----	
8	CH-53K (Heavy Lift)										
	Advance Procurement (CY)					41,300				41,300	U
	C (FY 2016 for FY 2017) (M)					(41,300)				(41,300)	
	C (FY 2017 for FY 2018) (M)										

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14 Jan 2016

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Combat Aircraft									

Combat Aircraft									
1	EA-18G	B							U
2	F/A-18E/F (Fighter) Hornet	A			2	184,912	2	184,912	U
3	Joint Strike Fighter CV	A	4	(939,280)			4	(939,280)	U
	Less: Advance Procurement (PY)			(-48,630)				(-48,630)	U
				-----		-----		-----	
				890,650				890,650	
4	Joint Strike Fighter CV								
	Advance Procurement (CY)			80,908				80,908	U
	C (FY 2015 for FY 2016) (M)								
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)			(80,908)				(80,908)	
5	JSF STOVL		16	(2,240,828)			16	(2,240,828)	U
	Less: Advance Procurement (PY)			(-203,060)				(-203,060)	U
				-----		-----		-----	
				2,037,768				2,037,768	
6	JSF STOVL								
	Advance Procurement (CY)			233,648				233,648	U
	C (FY 2015 for FY 2016) (M)								
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)			(233,648)				(233,648)	
7	CH-53K (Heavy Lift)	A	2	(389,915)			2	(389,915)	U
	Less: Advance Procurement (PY)			(-41,300)				(-41,300)	U
				-----		-----		-----	
				348,615				348,615	
8	CH-53K (Heavy Lift)								
	Advance Procurement (CY)			88,365				88,365	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)			(88,365)				(88,365)	

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14 Jan 2016

Appropriation: 1506N Aircraft 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	
9	V-22 (Medium Lift)		19	(1,554,588)	19	(1,463,609)			19	(1,463,609)	U
	Less: Advance Procurement (PY)			(-59,269)		(-67,254)				(-67,254)	U
				-----		-----		-----		-----	
				1,495,319		1,396,355				1,396,355	
10	V-22 (Medium Lift)										
	Advance Procurement (CY)			51,564		43,853				43,853	U
	C (FY 2015 for FY 2016) (M)			(51,564)							
	C (FY 2016 for FY 2017) (M)					(43,853)				(43,853)	
	C (FY 2017 for FY 2018) (M)										
11	H-1 Upgrades (UH-1Y/AH-1Z)	A	28	(895,141)	29	(847,308)			29	(847,308)	U
	Less: Advance Procurement (PY)			(-60,000)		(-63,354)				(-63,354)	U
				-----		-----		-----		-----	
				835,141		783,954				783,954	
12	H-1 Upgrades (UH-1Y/AH-1Z)										
	Advance Procurement (CY)			63,354		56,168				56,168	U
	C (FY 2015 for FY 2016) (M)			(63,354)							
	C (FY 2016 for FY 2017) (M)					(56,168)				(56,168)	
	C (FY 2017 for FY 2018) (M)										
13	MH-60S (MYP)	A	8	(215,289)		(28,232)				(28,232)	U
	Less: Advance Procurement (PY)			(-33,149)							U
				-----		-----		-----		-----	
				182,140		28,232				28,232	
14	MH-60R (MYP)	A	29	(1,063,292)	29	(1,168,892)			29	(1,168,892)	U
	Less: Advance Procurement (PY)			(-197,830)		(-226,592)				(-226,592)	U
				-----		-----		-----		-----	
				865,462		942,300				942,300	
15	MH-60R (MYP)										
	Advance Procurement (CY)			117,846							U
	C (FY 2015 for FY 2016) (M)			(117,846)							

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
9	V-22 (Medium Lift)		16	(1,322,857)			16	(1,322,857)	U
	Less: Advance Procurement (PY)			(-58,723)				(-58,723)	U
				-----				-----	
				1,264,134				1,264,134	
10	V-22 (Medium Lift)								
	Advance Procurement (CY)			19,674				19,674	U
	C (FY 2015 for FY 2016) (M)								
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)			(19,674)				(19,674)	
11	H-1 Upgrades (UH-1Y/AH-1Z)	A	24	(815,946)			24	(815,946)	U
	Less: Advance Procurement (PY)			(-56,168)				(-56,168)	U
				-----				-----	
				759,778				759,778	
12	H-1 Upgrades (UH-1Y/AH-1Z)								
	Advance Procurement (CY)			57,232				57,232	U
	C (FY 2015 for FY 2016) (M)								
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)			(57,232)				(57,232)	
13	MH-60S (MYP)	A							U
	Less: Advance Procurement (PY)								U
				-----				-----	
14	MH-60R (MYP)	A		(61,177)				(61,177)	U
	Less: Advance Procurement (PY)								U
				-----				-----	
				61,177				61,177	
15	MH-60R (MYP)								
	Advance Procurement (CY)								U
	C (FY 2015 for FY 2016) (M)								

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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	
16	P-8A Poseidon	A	9	(2,274,731)	17	(3,181,152)			17	(3,181,152)	U
	Less: Advance Procurement (PY)			(-152,044)		(-203,387)				(-203,387)	U
				2,122,687		2,977,765				2,977,765	
17	P-8A Poseidon										
	Advance Procurement (CY)			48,457		250,568				250,568	U
	C (FY 2015 for FY 2016) (M)			(42,271)							
	C (FY 2015 for FY 2017) (M)			(2,234)							
	C (FY 2015 for FY 2018) (M)			(2,234)							
	C (FY 2015 for FY 2019) (M)			(1,718)							
	C (FY 2016 for FY 2017) (M)					(240,773)			(240,773)		
	C (FY 2016 for FY 2018) (M)					(5,499)			(5,499)		
	C (FY 2016 for FY 2019) (M)					(4,296)			(4,296)		
	C (FY 2017 for FY 2018) (M)										
18	E-2D Adv Hawkeye	A	5	(1,044,691)	5	(1,023,831)			5	(1,023,831)	U
	Less: Advance Procurement (PY)			(-125,500)		(-175,177)				(-175,177)	U
				919,191		848,654				848,654	
19	E-2D Adv Hawkeye										
	Advance Procurement (CY)			225,765		195,336				195,336	U
	C (FY 2015 for FY 2016) (M)			(124,170)							
	C (FY 2015 for FY 2017) (M)			(50,797)							
	C (FY 2015 for FY 2018) (M)			(50,798)							
	C (FY 2016 for FY 2017) (M)					(143,181)			(143,181)		
	C (FY 2016 for FY 2018) (M)					(52,155)			(52,155)		
	C (FY 2017 for FY 2018) (M)										
				10,636,707		12,205,031				12,205,031	
Budget Activity 03: Trainer Aircraft											

Trainer Aircraft											
20	JPATS	A				8,914				8,914	U
	Total Trainer Aircraft					8,914				8,914	

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Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
16	P-8A Poseidon	A	11	(2,183,245)			11	(2,183,245)	U
	Less: Advance Procurement (PY)			(-243,007)				(-243,007)	U
				1,940,238				1,940,238	
17	P-8A Poseidon								
	Advance Procurement (CY)			123,140				123,140	U
	C (FY 2015 for FY 2016) (M)								
	C (FY 2015 for FY 2017) (M)								
	C (FY 2015 for FY 2018) (M)								
	C (FY 2015 for FY 2019) (M)								
	C (FY 2016 for FY 2017) (M)								
	C (FY 2016 for FY 2018) (M)								
	C (FY 2016 for FY 2019) (M)								
	C (FY 2017 for FY 2018) (M)			(123,140)				(123,140)	
18	E-2D Adv Hawkeye	A	6	(1,154,569)			6	(1,154,569)	U
	Less: Advance Procurement (PY)			(-238,086)				(-238,086)	U
				916,483				916,483	
19	E-2D Adv Hawkeye								
	Advance Procurement (CY)			125,042				125,042	U
	C (FY 2015 for FY 2016) (M)								
	C (FY 2015 for FY 2017) (M)								
	C (FY 2015 for FY 2018) (M)								
	C (FY 2016 for FY 2017) (M)								
	C (FY 2016 for FY 2018) (M)								
	C (FY 2017 for FY 2018) (M)			(125,042)				(125,042)	
Total Combat Aircraft				8,946,852		184,912		9,131,764	
Budget Activity 03: Trainer Aircraft									

Trainer Aircraft									
20	JPATS	A		5,849				5,849	U
Total Trainer Aircraft				5,849				5,849	

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Appropriation: 1506N Aircraft 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: Other Aircraft											

Other Aircraft											
21	KC-130J	A	1	(106,928)	2	(201,339)			2	(201,339)	U
	Less: Advance Procurement (PY)			(-14,638)		(-16,288)				(-16,288)	U
				-----		-----				-----	
				92,290		185,051				185,051	
22	KC-130J										
	Advance Procurement (CY)					24,451				24,451	U
	C (FY 2016 for FY 2017) (M)					(24,451)				(24,451)	
	C (FY 2017 for FY 2018) (M)										
23	MQ-4 Triton	A			4	(632,755)			4	(632,755)	U
	Less: Advance Procurement (PY)					(-67,670)				(-67,670)	U
				-----		-----				-----	
						565,085				565,085	
24	MQ-4 Triton										
	Advance Procurement (CY)			67,670		54,577				54,577	U
	C (FY 2015 for FY 2016) (M)			(67,670)							
	C (FY 2016 for FY 2017) (M)					(54,577)				(54,577)	
	C (FY 2017 for FY 2018) (M)										
25	MQ-8 UAV	B	5	109,663	5	163,680			5	163,680	U
26	STUASL0 UAV		3	45,000		3,450	3	53,848	3	57,298	U
27	Other Support Aircraft				1	15,100			1	15,100	U
				-----		-----				-----	
	Total Other Aircraft			314,623		1,011,394		53,848		1,065,242	
Budget Activity 05: Modification of Aircraft											

Modification of Aircraft											
28	EA-6 Series	A		10,881		7,799				7,799	U
29	AEA Systems			44,768		36,233				36,233	U

P-1C1: FY 2017 President's Budget (Published Version of PB Position), as of January 14, 2016 at 09:45:55

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Department of the Navy
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14 Jan 2016

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 04: Other Aircraft									

Other Aircraft									
21	KC-130J	A	2	(161,321)			2	(161,321)	U
	Less: Advance Procurement (PY)			(-32,451)				(-32,451)	U
				-----		-----		-----	
				128,870				128,870	
22	KC-130J								
	Advance Procurement (CY)			24,848				24,848	U
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)			(24,848)				(24,848)	
23	MQ-4 Triton	A	2	(463,582)			2	(463,582)	U
	Less: Advance Procurement (PY)			(-54,577)				(-54,577)	U
				-----		-----		-----	
				409,005				409,005	
24	MQ-4 Triton								
	Advance Procurement (CY)			55,652				55,652	U
	C (FY 2015 for FY 2016) (M)								
	C (FY 2016 for FY 2017) (M)								
	C (FY 2017 for FY 2018) (M)			(55,652)				(55,652)	
25	MQ-8 UAV	B	1	72,435			1	72,435	U
26	STUASL0 UAV					4	70,000	4	70,000
27	Other Support Aircraft								U
				-----		-----		-----	
	Total Other Aircraft			690,810		70,000		760,810	
Budget Activity 05: Modification of Aircraft									

Modification of Aircraft									
28	EA-6 Series	A							U
29	AEA Systems			51,900				51,900	U

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Appropriation: 1506N Aircraft 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	
30	AV-8 Series	A		54,066		39,619		38,509		78,128	U
31	Adversary	A		4,918		5,441				5,441	U
32	F-18 Series	A		704,324		913,221		7,130		920,351	U
33	H-46 Series	A		402							U
34	H-53 Series	A		36,152		36,000				36,000	U
35	SH-60 Series	A		100,802		94,899				94,899	U
36	H-1 Series	A		42,071		36,668				36,668	U
37	EP-3 Series	A		67,845		41,784		6,300		48,084	U
38	P-3 Series	A		2,658		3,067				3,067	U
39	E-2 Series	A		21,059		19,113				19,113	U
40	Trainer A/C Series	A		10,208		27,980				27,980	U
41	C-2A	A				7,157				7,157	U
42	C-130 Series	A		39,339		65,935				65,935	U
43	FEWSG	A		640		633				633	U
44	Cargo/Transport A/C Series	A		4,035		8,916				8,916	U
45	E-6 Series	A		206,127		178,987				178,987	U
46	Executive Helicopters Series	A		68,128		66,624				66,624	U
47	Special Project Aircraft	A		23,865		21,988		14,198		36,186	U
48	T-45 Series	A		90,024		81,734				81,734	U
49	Power Plant Changes	A		22,463		9,917				9,917	U
50	JPATS Series	A		1,085		12,537				12,537	U

P-1C1: FY 2017 President's Budget (Published Version of PB Position), as of January 14, 2016 at 09:45:55

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14 Jan 2016

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
30	AV-8 Series	A		60,818			60,818		U
31	Adversary	A		5,191			5,191		U
32	F-18 Series	A		1,023,492			1,023,492		U
33	H-46 Series	A							U
34	H-53 Series	A		46,095			46,095		U
35	SH-60 Series	A		108,328		3,000	111,328		U
36	H-1 Series	A		46,333		3,740	50,073		U
37	EP-3 Series	A		14,681		7,505	22,186		U
38	P-3 Series	A		2,781			2,781		U
39	E-2 Series	A		32,949			32,949		U
40	Trainer A/C Series	A		13,199			13,199		U
41	C-2A	A		19,066			19,066		U
42	C-130 Series	A		61,788			61,788		U
43	FEWSG	A		618			618		U
44	Cargo/Transport A/C Series	A		9,822			9,822		U
45	E-6 Series	A		222,077			222,077		U
46	Executive Helicopters Series	A		66,835			66,835		U
47	Special Project Aircraft	A		16,497		14,869	31,366		U
48	T-45 Series	A		114,887			114,887		U
49	Power Plant Changes	A		16,893			16,893		U
50	JPATS Series	A		17,401			17,401		U

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Appropriation: 1506N Aircraft 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	
51	Common ECM Equipment	A		184,664		123,732		71,174		194,906	U
52	Common Avionics Changes	A		146,084		155,602		13,988		169,590	U
53	Common Defensive Weapon System	A		1,958		3,062				3,062	U
54	ID Systems	A		38,880		41,063				41,063	U
55	P-8 Series			29,797		28,092				28,092	U
56	MAGTF EW for Aviation	A		17,170		7,680				7,680	U
57	MQ-8 Series			8,741		16,304				16,304	U
58	RQ-7 Series					3,773				3,773	U
59	V-22 (Tilt/Rotor ACFT) Osprey	B		109,152		140,408		4,900		145,308	U
60	F-35 STOVL Series	A		215,819		204,464				204,464	U
61	F-35 CV Series	A		20,502		48,527				48,527	U
62	QRC	A				6,885				6,885	U
Total Modification of Aircraft				2,328,627		2,495,844		156,199		2,652,043	
Budget Activity 06: Aircraft Spares and Repair Parts											

Aircraft Spares and Repair Parts											
63	Spares and Repair Parts	A		1,242,510		1,463,515				1,463,515	U
Total Aircraft Spares and Repair Parts				1,242,510		1,463,515				1,463,515	
Budget Activity 07: Aircraft Support Equip & Facilities											

Aircraft Support Equip & Facilities											
64	Common Ground Equipment	A		367,359		417,359				417,359	U

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Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
51	Common ECM Equipment	A		143,773		98,240		242,013	U
52	Common Avionics Changes	A		164,839				164,839	U
53	Common Defensive Weapon System	A		4,403				4,403	U
54	ID Systems	A		45,768				45,768	U
55	P-8 Series			18,836				18,836	U
56	MAGTF EW for Aviation	A		5,676				5,676	U
57	MQ-8 Series			19,003				19,003	U
58	RQ-7 Series			3,534				3,534	U
59	V-22 (Tilt/Rotor ACFT) Osprey	B		141,545		8,740		150,285	U
60	F-35 STOVL Series	A		34,928				34,928	U
61	F-35 CV Series	A		26,004				26,004	U
62	QRC	A		5,476				5,476	U
Total Modification of Aircraft				2,565,436		136,094		2,701,530	
Budget Activity 06: Aircraft Spares and Repair Parts									

Aircraft Spares and Repair Parts									
63	Spares and Repair Parts	A		1,407,626		1,500		1,409,126	U
Total Aircraft Spares and Repair Parts				1,407,626		1,500		1,409,126	
Budget Activity 07: Aircraft Support Equip & Facilities									

Aircraft Support Equip & Facilities									
64	Common Ground Equipment	A		390,103				390,103	U

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Appropriation: 1506N Aircraft 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	
65	Aircraft Industrial Facilities	A		24,779		24,010		943		24,953	U
66	War Consumables	A		15,939		38,027				38,027	U
67	Other Production Charges	A		5,630		2,455				2,455	U
68	Special Support Equipment	A		60,339		50,859				50,859	U
69	First Destination Transportation	A		1,168		1,801				1,801	U
70	Cancelled Account Adjustments	A		242							U
Total Aircraft Support Equip & Facilities				475,456		534,511		943		535,454	
Total Aircraft Procurement, Navy				14,997,923		17,719,209		210,990		17,930,199	

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Line No	Item Nomenclature	Ident Code	FY 2017 Base		FY 2017 OCO		FY 2017 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
65	Aircraft Industrial Facilities	A		23,194		524		23,718	U
66	War Consumables	A		40,613				40,613	U
67	Other Production Charges	A		860				860	U
68	Special Support Equipment	A		36,282				36,282	U
69	First Destination Transportation	A		1,523				1,523	U
70	Cancelled Account Adjustments	A							U
Total Aircraft Support Equip & Facilities				492,575		524		493,099	
Total Aircraft Procurement, Navy				14,109,148		393,030		14,502,178	

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4	01	01	0147	Joint Strike Fighter CV, Advance Procurement.....	Volume 1 - 31
5	01	01	0152	JSF STOVL.....	Volume 1 - 35
6	01	01	0152	JSF STOVL, Advance Procurement.....	Volume 1 - 45
7	01	01	0158	CH-53K (Heavy Lift).....	Volume 1 - 49
8	01	01	0158	CH-53K (Heavy Lift), Advance Procurement.....	Volume 1 - 57
9	01	01	0164	V-22 (Medium Lift).....	Volume 1 - 61
10	01	01	0164	V-22 (Medium Lift), Advance Procurement.....	Volume 1 - 73
11	01	01	0178	UH-1Y/AH-1Z.....	Volume 1 - 79
12	01	01	0178	UH-1Y/AH-1Z, Advance Procurement.....	Volume 1 - 97
13	01	01	0179	MH-60S (MYP).....	Volume 1 - 103
14	01	01	0182	MH-60R.....	Volume 1 - 107
15	01	01	0182	MH-60R, Advance Procurement.....	Volume 1 - 117
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19	01	01	0195	E-2D AHE, Advance Procurement.....	Volume 1 - 149

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23	04	01	0442	MQ-4 TRITON.....	Volume 1 - 175
24	04	01	0442	MQ-4 TRITON, Advance Procurement.....	Volume 1 - 183

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30	05	01	0514	AV-8 Series.....	Volume 2 - 27
31	05	01	0522	Adversary.....	Volume 2 - 59
32	05	01	0525	F-18 Series.....	Volume 2 - 75
33	05	01	0526	H-46 Series.....	Volume 2 - 227
34	05	01	0528	H-53 Series.....	Volume 2 - 237
35	05	01	0530	SH-60 Series.....	Volume 2 - 293
36	05	01	0532	H-1 Series.....	Volume 2 - 335
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40	05	01	0549	Trainer Acft Series.....	Volume 2 - 461
41	05	01	0556	C-2A.....	Volume 2 - 477
42	05	01	0560	C-130 Series.....	Volume 2 - 493
43	05	01	0561	Flt Elect Wrfr Supt Grp (FEWSG).....	Volume 2 - 527
44	05	01	0562	Cargo/Transport Acft Series.....	Volume 2 - 533
45	05	01	0564	E-6 Series.....	Volume 2 - 557
46	05	01	0566	Executive Helicopters Series.....	Volume 2 - 621
47	05	01	0567	Special Project Acft.....	Volume 2 - 659
48	05	01	0569	T-45 Series.....	Volume 2 - 671
49	05	01	0570	Power Plant Changes.....	Volume 2 - 705
50	05	01	0571	JT Primary Acft Trnr Sys (JPATS).....	Volume 2 - 711
51	05	01	0576	Common ECM Equipment.....	Volume 2 - 727
52	05	01	0577	Common Avionics Changes.....	Volume 2 - 759
53	05	01	0581	Common Defensive Weapon System.....	Volume 2 - 793
54	05	01	0582	ID Sys.....	Volume 2 - 801
55	05	01	0586	P-8 Series.....	Volume 2 - 807

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58	05	01	0589	RQ-7 Series.....	Volume 2 - 861
59	05	01	0590	V-22 (Tilt/Rotor Acft) Osprey.....	Volume 2 - 867
60	05	01	0592	F-35 STOVL Series.....	Volume 2 - 907
61	05	01	0593	F-35 CV Series.....	Volume 2 - 923
62	05	01	0595	QRC.....	Volume 2 - 939

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66	07	01	0720	War Consumables.....	Volume 4 - 67
67	07	01	0725	Other Production Charges.....	Volume 4 - 79
68	07	01	0735	Special Support Equipment.....	Volume 4 - 83
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AV-8 Series	0514	30	05	01.....	Volume 2 - 27
Adversary	0522	31	05	01.....	Volume 2 - 59
Aircraft Industrial Facilities	0715	65	07	01.....	Volume 4 - 61
C-130 Series	0560	42	05	01.....	Volume 2 - 493
C-2A	0556	41	05	01.....	Volume 2 - 477
CH-53K (Heavy Lift)	0158	7	01	01.....	Volume 1 - 49
CH-53K (Heavy Lift), Advance Procurement	0158	8	01	01.....	Volume 1 - 57
Cargo/Transport Acft Series	0562	44	05	01.....	Volume 2 - 533
Common Avionics Changes	0577	52	05	01.....	Volume 2 - 759
Common Defensive Weapon System	0581	53	05	01.....	Volume 2 - 793
Common ECM Equipment	0576	51	05	01.....	Volume 2 - 727
Common Ground Equipment	0705	64	07	01.....	Volume 4 - 1
E-2 Series	0544	39	05	01.....	Volume 2 - 397
E-2D AHE	0195	18	01	01.....	Volume 1 - 137
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Executive Helicopters Series	0566	46	05	01.....	Volume 2 - 621
F-18 Series	0525	32	05	01.....	Volume 2 - 75
F-35 CV Series	0593	61	05	01.....	Volume 2 - 923
F-35 STOVL Series	0592	60	05	01.....	Volume 2 - 907
FA-18E/F	0145	2	01	01.....	Volume 1 - 11
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H-1 Series	0532	36	05	01.....	Volume 2 - 335
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JSF STOVL	0152	5	01	01.....	Volume 1 - 35
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MH-60R	0182	14	01	01.....	Volume 1 - 107
MH-60R, Advance Procurement	0182	15	01	01.....	Volume 1 - 117
MH-60S (MYP)	0179	13	01	01.....	Volume 1 - 103
MQ-4 TRITON	0442	23	04	01.....	Volume 1 - 175
MQ-4 TRITON, Advance Procurement	0442	24	04	01.....	Volume 1 - 183
MQ-8 Series	0588	57	05	01.....	Volume 2 - 845
MQ-8 UAV	0443	25	04	01.....	Volume 1 - 187
Other Production Charges	0725	67	07	01.....	Volume 4 - 79
Other Support Aircraft	0465	27	04	01.....	Volume 1 - 207
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P-8A Poseidon	0193	16	01	01.....	Volume 1 - 121
P-8A Poseidon, Advance Procurement	0193	17	01	01.....	Volume 1 - 133
Power Plant Changes	0570	49	05	01.....	Volume 2 - 705
QRC	0595	62	05	01.....	Volume 2 - 939
RQ-7 Series	0589	58	05	01.....	Volume 2 - 861
SH-60 Series	0530	35	05	01.....	Volume 2 - 293

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Special Support Equipment	0735	68	07	01.....	Volume 4 - 83
T-45 Series	0569	48	05	01.....	Volume 2 - 671
Trainer Acft Series	0549	40	05	01.....	Volume 2 - 461
UH-1Y/AH-1Z	0178	11	01	01.....	Volume 1 - 79
UH-1Y/AH-1Z, Advance Procurement	0178	12	01	01.....	Volume 1 - 97
V-22 (Medium Lift)	0164	9	01	01.....	Volume 1 - 61
V-22 (Medium Lift), Advance Procurement	0164	10	01	01.....	Volume 1 - 73
V-22 (Tilt/Rotor Acft) Osprey	0590	59	05	01.....	Volume 2 - 867
War Consumables	0720	66	07	01.....	Volume 4 - 67

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68	07	01	0735	Special Support Equipment.....	Volume 4 - 83
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Other Production Charges	0725	67	07	01.....	Volume 4 - 79
Special Support Equipment	0735	68	07	01.....	Volume 4 - 83
War Consumables	0720	66	07	01.....	Volume 4 - 67

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

Appropriation / Budget Activity / Budget Sub Activity:
 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA
 1: Aircraft Support Equip & Facilities

P-1 Line Item Number / Title:
 0705 / Common Ground Equipment

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

Line Item MDAP/MAIS Code: N/A **Item MDAP/MAIS Code(s):** 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>)	1,867.385	367.359	417.359	390.103	-	390.103	422.653	419.321	416.778	411.265	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,867.385	367.359	417.359	390.103	-	390.103	422.653	419.321	416.778	411.265	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,867.385	367.359	417.359	390.103	-	390.103	422.653	419.321	416.778	411.265	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 Common Ground Equipment line funds procurement of Automatic Test Equipment (ATE), various aircraft systems trainers and training aids, the Consolidated Automated Support System Family of Testers (CASS FOT), support equipment for the Rapid Deployment Force, mobile maintenance facilities for Marine expeditionary forces, and other aircraft ground support equipment that is either peculiar to out-of-production aircraft or common in applicability to more than one aircraft. The requiring managers responsible for these procurements and the funds presently assigned to them are as follows: Ground Support Equipment, Mobile Maint Facilities, General Skills Training, Topscene, and Other Flight Training.

[P40A / AUTOMATIC TEST EQUIPMENT]: GENERAL PROGRAM DESCRIPTION: This sub-line provides for the transition of current Automatic Test Equipment (ATE) Test Program Sets (TPSs) to AN/USM-636(V) and AN/USM-702 Consolidated Automated Support System (CASS) and AN/USM-730 electronic Consolidated Automated Support System (eCASS) and the acquisition, modification and associated test routines of common ATE to meet fleet operational requirements identified in the fleet concurred Common Support Equipment Operational Requirements List.

TEST PROGRAM SETS (TPSs) TRANSITION TO CASS, RECONFIGURABLE TRANSPORTABLE CASS (RTCASS) AND eCASS: TPSs are support equipment that consist of hardware, software, and documentation required to automatically fault isolate defective weapon system components. These TPSs are also capable of detecting defective sub-components of the weapon system component and capable of Ready for Issuing (RFI) the weapon system component. Existing ATE that can no longer be economically supported will be offloaded to CASS and migrated to RTCASS and eCASS based on fleet priorities. This budget requests funds for the procurement of TPSs to offload support from existing obsolete ATE to CASS, RTCASS, and eCASS, as well as support of GFE requirements including Units Under Test (UUT) and CASS Family of Tester (FOT) stations at CASS FOT TPS Test Integration Facilities.

COMMON ATE ACQUISITION, MODIFICATION AND TEST ROUTINES: System acquisition and modification is necessary to replace obsolete and unsupported equipment, support current technology, incorporate necessary reliability and maintainability improvements, and correct Fleet reported problems as a result of Engineering Investigations/Quality Deficiency Reports for out-of-production common ATE. Without these modifications replacement parts will not be available and common ATE will not remain operational.

FY17 provides funding to procure multiple weapon system Operational Test Program Sets (OTPS) and the migration of these OTPS to eCASS. In addition, procures common ATE and their associated test routines supporting multiple weapons systems.

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Exhibit P-40, Budget Line Item Justification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	
<p>[P40A - 2 / A/C COMMON SUPPORT EQUIPMENT]: General Program Description: This budget sub-line provides for the acquisition of Support Equipment (SE) end items under the inventory and technical management of NAVAIR. These SE end items are required for ground testing handling, and maintenance of aircraft and their systems. Examples of SE items acquired under this budget line item include aircraft propulsion test systems, mobile air conditioners and generators and aircraft handling equipment.</p> <p>Also included are common avionics support equipment (ASE) items which are too complex technically to be transitioned to the inventory control point for acquisition. The ASE included is managed by NAVAIR and supported through the Navy Inventory Control Point.</p> <p>FY17 provides funding to procure: Common Rack Arial Launch Test Set (CRALTS) Replacement (CAATS), Vibration Analyzer, Next Generation Software Loader, Hydraulic Test Stand I-Level, Air Conditioner Ship Shore, Large Capacity Mobile Electric Power Point (MEPP), Small Capacity MEPP (Shipboard), Joint Service Electronic Combat Systems Tester (JSECST) upgrade, First Destination Transportation Cost for hardware procurements and associated support cost.</p> <p>[P40A - 3 / ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT]: General Program Description: This budget sub-line funds the procurement of end items of Peculiar Support Equipment (PSE) for out-of-production weapon systems, and Common Support Equipment (CSE) under the budget, procurement, and inventory control of the Naval Inventory Control Point (NAVICP). PSE and CSE end items are normally introduced into the fleet through NAVAIR development and initial procurement. When design is stabilized and procurement packages are available, these items then migrate to NAVICP management, and are funded under this sub-line. NAVICP currently manages over 11,000 individual repairable SE end items. This subline also funds initial outfitting of new construction ships.</p> <p>This sub-line also provides for the replacement of certain in-use PSE that are now marginally effective, due to obsolescence, or to the unavailability of associated logistics support. As a consequence, a logistically supportable replacement item must be designed and produced. This budget sub-line provides replacement of PSE support for out-of-production aircraft requirements only.</p> <p>In addition, this sub-line provides for the completion of the design and production of: (1) certain PSE items that were not funded during the production phase of the weapon system, and (2) modifications to out-of-production aircraft PSE to extend its useful service life.</p> <p>[P40A - 4 / CONSOLIDATED AUTOMATED SUPPORT SYSTEM]: Program Coverage: The electronic Consolidated Automated Support System (eCASS) program is chartered to replace CASS MainFrame (MF) test stations in the Navy's inventory. CASS, RTCASS, and eCASS continue to replace 30+ different types of computer-based Automatic Test Equipment (ATE) with a single modern family of testers (FOT), which are cost effective COTS/NDI-based ATE systems designated as the Navy's Standard Family of ATE. There are five Mission Equipment Kits (MEKs) used with eCASS, which support the entire spectrum of electronics testing requirements from direct current to light: Hybrid [tests digital and analog], Radio Frequency (RF) [tests radars and electronic warfare systems], Electro-Optics (EO3) [tests FLIRs and LASERs], High Power [high energy radar systems], and Depot. The five MEKs used with eCASS replace the existing five configurations of CASS. Reconfigurable Transportable (RTCASS) [a man-transportable version of RF CASS] is used for USMC forward deployed expeditionary maintenance. The CASS FOT supports intermediate and depot level repair of aircraft, ship, submarine and other weapon system electronics. The CASS FOT performs fault detection and diagnostic testing of almost 3,000 different "black boxes" and associated circuit cards from F/A-18A/B/C/D/E/F, T-45, AV-8B, EA-6B, H-60, H-3, E-2, C-2, and V-22 as well as several NAVSEA/SPAWAR weapon systems. electronic CASS (eCASS), which is designated an ACAT IVM program, replaces legacy CASS stations and is scheduled to begin full-rate production in the 3rd quarter FY16.</p> <p>Justification: CASS FOT replaces older, legacy ATE systems that have become obsolete (parts are no longer available) and too expensive to maintain. CASS FOT reduces afloat CVN ATE manning from 104 to 54 billets and reduces the size of the AVCAL (spare parts) from 30,000 to 3,500. CASS FOT also reduces technician Naval Enlisted Classifications (NECs) types, along with their training courses, from 32 to only 5. Each CVN will deploy with 14 eCASS stations and each LHD/LHA will deploy with two (2) stations. CASS FOT is utilized at intermediate and depot level maintenance facilities afloat and ashore to include Marine Aviation Logistics Squadrons (MALs), and Navy Fleet Readiness Centers (FRCs). RTCASS supports USMC V-22 and fixed wing aircraft.</p> <p>Current and budget year requirements are needed for CASS FOT support of new and transitioning weapon systems. New Requirements: F/A-18E/F/G (multiple), P-8 (multiple), E-2C/D (multiple), MIDS (multiple), V-22, ATFLIR (F/A-18), MH-60R/S (multiple systems), UH-1Y and AH-1Z, EGI (multiple aircraft). Transitioning Legacy Testers: 30 legacy automatic testers that support Navy and USMC tactical aircraft.</p> <p>In addition to production costs for the newest member of the CASS FOT (eCASS), program costs include: (1) incorporation of ECPs to permit systematic insertion of new technology to meet requirements of new weapon system avionics, (2) incorporation of test technologies required to offload Test Program Sets (TPSs) from legacy ATE, (3) efforts to ameliorate obsolescence and improve system reliability, maintainability</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	
<p>and supportability, (4) rehosting existing TPSs to leverage increased capabilities of new software technology, (5) providing support of CASS FOT installations at fleet sites afloat and ashore, (6) maintaining items contractually required to be provided to contractors as Government Furnished Equipment, (7) maintaining supporting equipment used at CASS FOT laboratory and testing facilities, and (8) providing ancillary equipment necessary for functionality of CASS FOT.</p> <p>FY17 provides funding to procure (28) eCASS systems and associated ancillary equipment.</p> <p>[P40A - 5 / MOBILE MAINTENANCE FACILITIES]: Program Description: The Mobile Maintenance Facility (MMF) Program provides the overarching management construct to ensure configuration management and life cycle logistics for the Fleet MMF inventory. The program provides engineering design solutions, production efforts and life cycle logistics in support of Navy and Marine Corps logistics requirements.</p> <p>The primary component is the MMF, a 20'x8'x8' tactical shelter that meets structural and dimensional requirements of the International Organization for Standardization (ISO), the American National Standards Institute (ANSI), and the American Society for Testing and Material (ASTM). Designed for a 20-year service life, MMF's are heated and cooled by Environmental Control Units, which the program procures and logistically supports. In tactical environments, electrical power required to support MMF complexes is provided by DOD standard generator sets. The Naval Air Systems Comand (NAVAIR) acts as the Primary Inventory Control Activity (PICA) for multi-service procurement of NAVAIR MMFs and related ancillary equipment.</p> <p>Program Coverage: MMF's are an Air Combat Element (ACE) Aviation Logistics (AVLOG) integration enabler, which make the Marine Air Ground Task Force (MAGTF) more responsive, agile, flexible and lethal via support and sustain operations in austere expeditionary environments. This supports the Naval Air Enterprise (NAE) Strategic Plan, Marine Corps Vision & Strategy 2025, and the USMC Long War Concept. MMFs provide containerized aviation logistics support to the operational commander that can be rapidly deployed by all transportation modes to any location in the world. Operationally, MMFs provide the Navy and Marine Corps with a quick response stand-alone capability to meet worldwide operational commitments. Economically, MMFs reduce the need for MILCON and allow for world wide transportability.</p> <p>Key Attributes:</p> <ul style="list-style-type: none"> - Fully integrated and expeditionary logistics capability deployable via ship, airlift or truck. Operationally deployable aboard ship (TAVB) - Provides an effective, reliable and affordable self-contained aircraft maintenance capability (avionics, airframes, et. al.) - Provides for supply support functions (work space, parts storage & parts transport) <p>Justification: Investment in the MMF Program ensures a fully deployable logistics capability that can be deployed in a building block fashion across the battle space in support of aircraft maintenance and supply support operations. The Program of Record inventory objective is 3515 MMFs. This objective is based on the Marine Corps Table of Basic Allowance (TBA) and Weapon System Planning Documents (WSPD), which find their roots in the various operational plans supporting the National Defense Strategy. Current active inventory is 3184 MMFs.</p> <p>[P40A - 6 / GENERAL SKILLS TRAINING]: General Skill Training provides for the procurement of aviation training systems, including training devices and associated courseware, which are not associated with a specific aircraft platform. As required, includes modifications and updates to reflect changes in technology or operating environment.</p> <p>Justification of Major Programs: The 'A' School Program's function is to provide initial foundational and theoretical skills training to all Navy/Marine Corps Officer and Enlisted personnel. It provides training for 20 aviation ratings, supporting 196 Navy Enlisted Classifications (NEC), 96 USMC Military Occupational Specialties (MOS) and 17 USN/USMC Officer Designators/MOS's. The Maintenance Computer Based Training (MCBT) program's emphasis is on Fleet In-Service Training using Advance Skills Management System (ASM). ASM is a software application designed to identify job task requirements, assist in determining proficiencies, document qualification/certifications, track completed technical training and aviation maintenance personnel progress across an individual's career within their respective Maintenance Personnel Readiness (MPR)/Marine Corp Training & Readiness (T&R) in support of the Naval Aviation Enterprise (NAE). The Air Traffic Control (ATC) program provides the necessary simulated training for control tower operations, Carrier Air Traffic Control Center operations, Amphibious Air Traffic Control Center operations and advanced RADAR operations. The Landing Signal Officer (LSO) Program enables proficiency at visual aircraft recoveries while at sea, through the use of an aircraft carrier landing area trainer. The Naval Aviation Survival Training Program (NASTP) provides mission critical training systems and systems support for Navy and Marine Corps aircrew and selected DoD personnel. The Air Combat Training Continuum (ACTC) Program provides the framework for post-Fleet Replacement Squadron (FRS) tactical aircrew training. The mission of ACTC is to provide Fleet, Joint, and Allied Force Commanders with quality combat-ready Naval Aviators capable of effectively executing in all mission areas. The Air Combat Training System (ACTS) is a Training Management System (TMS) that operates in a secure environment, ashore, and afloat, to deliver training content to the aviator as well as track and report his/her</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	
<p>progress through the ACTC curriculum. Common ASW produces airborne ASW training systems for officer and enlisted aircrew for all ASW platforms, teaching critical analysis skills using computer courseware, table top trainers and ONI analysis products.</p> <p>[P40A - 7 / TOPSCENE]: Program Description: TOPSCENE is a mission planning requirement that provides realistic 3D mission rehearsal, training, and reusable visual terrain databases to the Navy Fleet, Fleet Marine Forces, major war fighting commands, and unified commanders. TOPSCENE/Tactical Terrain Visualization System (TTVS) includes a range of programs including mission rehearsal tools, part simulation, and target database production tools. TOPSCENE/TTVS provides time critical mission rehearsal visual database of sensitive target areas for effective preparation of the battlefield. TOPSCENE/TTVS is a standalone application that may also be integrated with mission planning systems (JMPS) and contributes to satisfying the mission rehearsal requirement in the JMPS Operational Requirements Document.</p> <p>[P40A - 8 / OTHER FLIGHT TRAINING]: Other Flight Training procures upgrades/modernization to operational trainers not driven by retrofit changes to aircraft driven by an Operational Safety and Improvement Program (OSIP) or forward-fit changes made during the production of the aircraft classified as an investment cost. Also, trainer procurements to replace obsolete/beyond capability of repair trainers if classified as an investment cost.</p> <p>Justification of Major Programs: The Navy Aviation Simulation Master Plan (NASMP) provides for training system capability procurements and major upgrades to address Fleet (post-Fleet Replacement Squadron) FA/EA-18, MH-60 and E-2 and legacy platform training requirements to achieve 1) an increase in Fleet Training and Readiness through enhanced training system fidelity and interoperability for distributed mission training and 2) the Fleet Integrated Training Environment (FITE) 2025 initiative, which includes the Navy Aviation Distributed Training Center (NADTC) that will manage the platform training system distributed mission training (DMT) requirements. FITE 2025 provides a fully integrated training capability to meet current and emerging aviation missions / kill chains through the integration of live, virtual and constructive components. The UMFO Training program acquires high fidelity flight officer training systems. The Chief of Naval Aviation Training (CNATRA) program will procure Operational Flight Trainers (OFT) and visual system upgrades in support of Ground Based Training Systems. The FA-18 program will focus on upgrading key simulator sub-systems including visual systems, databases, threat models and aerodynamic properties. E-6B will emphasize upgrades to existing devices to correct obsolescence issues. P-3 will provide a technical upgrade of the 2F179A Tactical Operations Readiness Trainer (TORT), 2F87 flight simulator and 14B59 Forward Deployable Trainer (FDT) to correct obsolescence issues. EP-3E will concentrate on simulator upgrades, increasing training and readiness capability of simulators, refreshing threat models and correcting obsolescence issues. E-2/C-2 will emphasize upgrades to existing devices to correct obsolescence issues. MH-53E will procure upgrades for the Operational Flight Trainer and the External Load and Mine Countermeasures Simulators. The HQMC Federation will invest in technological upgrades to the USMC KC-130, H-1, CH-53, V-22, AV-8B and the Presidential Helicopter training devices. The Aviation Distributed Virtual Training Environment (ADVTE) infrastructure will be procured for OCONUS USMC bases/upgraded at East/West coast cites, and training courseware and curriculum will be procured for transformational Marine Corps Aircraft. Live Virtual Constructive (LVC) will establish persistent integrated training between AEGIS, CVW, Maritime and UAS training assets by enabling LVC capability with live F/A-18 E/F aircraft on the Fallon Range. Effort will modify F/A-18 OFP to allow insertion of training state data on live F/A-18 E/F aircraft to provide comprehensive integrated training capability. In 2021, NASMP will also incorporate Technical Refresh/Upgrades, Modernization, Information Assurance/Cyber Security accreditation, and all software/hardware upgrades as necessary to mitigate simulation obsolescence to address Chief of Naval Air Training (CNATRA)and Commander Naval Air Forces (CNAF) requirements for T-6, T-45, TH-57, Undergraduate Military Flight Officer (UMFO), FA/EA-18, MH-60, E-2/C-2, E-6B, P-8A, MQ-4C, MQ-8, MH-53E,and legacy aircrew and maintenance simulators/trainers.</p>		

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

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities

P-1 Line Item Number / Title:
0705 / Common Ground Equipment

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

Line Item MDAP/MAIS Code: N/A **Item MDAP/MAIS Code(s):** 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	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	AUTOMATIC TEST EQUIPMENT			- / 316.203	- / 26.533	- / 27.916	- / 26.093	- / -	- / 26.093
P-40a	A/C COMMON SUPPORT EQUIPMENT	P-5a, P-21		- / 196.095	- / 72.330	- / 65.067	- / 60.241	- / -	- / 60.241
P-40a	ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT			- / 123.772	- / 21.498	- / 28.212	- / 31.430	- / -	- / 31.430
P-40a	CONSOLIDATED AUTOMATED SUPPORT SYSTEM	P-5a, P-21		- / 693.248	- / 80.908	- / 103.016	- / 84.021	- / -	- / 84.021
P-40a	MOBILE MAINTENANCE FACILITIES	P-5a		- / 105.445	- / 7.083	- / 6.978	- / 4.235	- / -	- / 4.235
P-40a	GENERAL SKILLS TRAINING	P-5a		- / 23.975	- / 10.655	- / 7.663	- / 11.133	- / -	- / 11.133
P-40a	TOPSCENE	P-5a		- / 7.353	- / 1.485	- / 1.785	- / -	- / -	- / -
P-40a	OTHER FLIGHT TRAINING	P-5a, P-21		- / 401.294	- / 146.867	- / 176.722	- / 172.950	- / -	- / 172.950
P-40	Total Gross/Weapon System Cost			- / 1,867.385	- / 367.359	- / 417.359	- / 390.103	- / -	- / 390.103

*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 in Common Ground Equipment by \$11.535M 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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** AUTOMATIC TEST 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) Hardware																				
1.1) TPS Transition to CASS	A		-	-	214.225	-	-	19.239	-	-	20.771	-	-	20.000	-	-	-	-	-	20.000
Subtotal: 1) Hardware			-	-	214.225	-	-	19.239	-	-	20.771	-	-	20.000	-	-	-	-	-	20.000
2) Non-Recurring																				
2.1) TPS Transition to CASS	A		-	-	5.219	-	-	0.934	-	-	0.953	-	-	0.714	-	-	-	-	-	0.714
Subtotal: 2) Non-Recurring			-	-	5.219	-	-	0.934	-	-	0.953	-	-	0.714	-	-	-	-	-	0.714
3) ILS																				
3.1) TPS Transition to CASS	A		-	-	22.837	-	-	1.917	-	-	1.885	-	-	1.334	-	-	-	-	-	1.334
Subtotal: 3) ILS			-	-	22.837	-	-	1.917	-	-	1.885	-	-	1.334	-	-	-	-	-	1.334
4) Production Engineering																				
4.1) TPS Transition to CASS	A		-	-	73.922	-	-	4.443	-	-	4.307	-	-	4.045	-	-	-	-	-	4.045
Subtotal: 4) Production Engineering			-	-	73.922	-	-	4.443	-	-	4.307	-	-	4.045	-	-	-	-	-	4.045
Total			-	-	316.203	-	-	26.533	-	-	27.916	-	-	26.093	-	-	-	-	-	26.093

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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** A/C COMMON 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) Hardware																				
1.1) Weapons Control - Crafts Replacement (CAATS) ^(†)	A		150,000.00	5	0.750	140,000.00	50	7.000	140,000.00	57	7.980	140,000.00	65	9.100	-	-	-	140,000.00	65	9.100
1.2) Vibration - Vibration Analyzer ^(†)	B		56,250.00	8	0.450	-	-	-	26,250.00	80	2.100	26,500.00	80	2.120	-	-	-	26,500.00	80	2.120
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck C/LOP ^(†)	A		161,200.00	65	10.478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) S/W Loader - Next Generation Software Loader ^(†)	A		38,333.33	180	6.900	36,538.46	104	3.800	40,000.00	130	5.200	41,000.00	120	4.920	-	-	-	41,000.00	120	4.920
1.7) Hydraulics - Hydraulic Test Stand I Level ^(†)	A		310,461.54	13	4.036	134,538.00	13	1.749	138,500.00	18	2.493	142,714.29	14	1.998	-	-	-	142,714.29	14	1.998
1.9) Platform Support - Air Conditioner Ship Shore ^(†)	B		170,000.00	8	1.360	111,050.00	80	8.884	137,775.00	40	5.511	138,000.00	59	8.142	-	-	-	138,000.00	59	8.142
1.11) Platform Support - Shipboard, Tractor ^(†)	A		115,373.24	142	16.383	123,000.00	51	6.273	125,000.00	11	1.375	-	-	-	-	-	-	-	-	-
1.15) Electrical - Large Capacity MEPP ^(†)	B		79,057.14	105	8.301	70,150.44	113	7.927	75,705.26	95	7.192	75,720.93	43	3.256	-	-	-	75,720.93	43	3.256
1.16) Electrical - Small Capacity MEPP (Shipboard) ^(†)	B		-	-	-	200,000.00	5	1.000	-	-	-	-	-	-	-	-	-	-	-	-
1.19) Electronic Warfare - JSECST Upgrade ^(†)	B		50,000.00	73	3.650	-	-	-	54,533.33	75	4.090	60,000.00	17	1.020	-	-	-	60,000.00	17	1.020
1.20) First Destination Transportation Costs ⁽¹⁾	A		-	-	-	-	-	-	-	-	-	-	-	0.800	-	-	-	-	-	0.800
Subtotal: 1) Hardware			-	-	52.308	-	-	36.633	-	-	35.941	-	-	31.356	-	-	-	-	-	31.356
2) Non Recurring																				
2.1) Weapons Control	A		-	-	5.512	-	-	0.230	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Vibration	A		-	-	1.955	-	-	1.351	-	-	-	-	-	-	-	-	-	-	-	-
2.6) COMM/NAV I/D	A		-	-	0.692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) Software Load	A		-	-	6.637	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.8) Non Destruct Inspection (NDI)	A		-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.10) Hydraulics	A		-	-	3.071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** A/C COMMON 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)
2.11) Propulsion	A		-	-	2.664	-	-	0.118	-	-	-	-	-	-	-	-	-	-	-	
2.12) Platform Support	A		-	-	2.793	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	
2.13) Electrical	A		-	-	1.820	-	-	5.269	-	-	-	-	-	-	-	-	-	-	-	
2.14) Electronic Warfare	A		-	-	0.859	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) Non Recurring			-	-	26.020	-	-	6.968	-	-	0.100	-	-	-	-	-	-	-	-	
3) ILS																				
3.1) Weapons Control	A		-	-	1.086	-	-	0.281	-	-	0.285	-	-	0.290	-	-	-	-	0.290	
3.2) Vibration	A		-	-	0.502	-	-	0.099	-	-	0.101	-	-	0.101	-	-	-	-	0.101	
3.3) Corrosion	A		-	-	0.397	-	-	0.064	-	-	0.065	-	-	0.066	-	-	-	-	0.066	
3.4) Aircraft Wiring	A		-	-	0.536	-	-	0.138	-	-	0.141	-	-	0.144	-	-	-	-	0.144	
3.5) Shipboard Fire Trucks	A		-	-	0.553	-	-	0.141	-	-	0.144	-	-	0.147	-	-	-	-	0.147	
3.6) COMM/NAV I/D	A		-	-	1.132	-	-	0.259	-	-	0.213	-	-	0.200	-	-	-	-	0.200	
3.7) Software Load	A		-	-	0.337	-	-	0.087	-	-	0.088	-	-	0.090	-	-	-	-	0.090	
3.8) Non Destruct Inspection (NDI)	A		-	-	2.213	-	-	0.415	-	-	0.414	-	-	0.402	-	-	-	-	0.402	
3.9) Cryogenics	A		-	-	0.906	-	-	0.192	-	-	0.200	-	-	0.219	-	-	-	-	0.219	
3.10) Hydraulics	A		-	-	0.683	-	-	0.136	-	-	0.181	-	-	0.181	-	-	-	-	0.181	
3.11) Propulsion	A		-	-	2.898	-	-	0.855	-	-	0.744	-	-	0.718	-	-	-	-	0.718	
3.12) Platform Support	A		-	-	5.331	-	-	1.382	-	-	1.386	-	-	1.381	-	-	-	-	1.381	
3.13) Electrical	A		-	-	2.428	-	-	0.835	-	-	0.843	-	-	0.847	-	-	-	-	0.847	
3.14) Electronic Warfare	A		-	-	0.463	-	-	0.127	-	-	0.135	-	-	0.138	-	-	-	-	0.138	
Subtotal: 3) ILS			-	-	19.465	-	-	5.011	-	-	4.940	-	-	4.924	-	-	-	-	4.924	
4) Production Engineering Support																				
4.1) Weapons Control	A		-	-	5.591	-	-	1.449	-	-	1.451	-	-	1.456	-	-	-	-	1.456	
4.2) Vibration	A		-	-	2.529	-	-	0.525	-	-	0.528	-	-	0.535	-	-	-	-	0.535	
4.3) Corrosion	A		-	-	0.638	-	-	0.100	-	-	0.104	-	-	0.107	-	-	-	-	0.107	
4.4) Aircraft Wiring	A		-	-	2.856	-	-	0.651	-	-	0.653	-	-	0.656	-	-	-	-	0.656	
4.5) Shipboard Fire Trucks	A		-	-	3.977	-	-	0.956	-	-	0.966	-	-	0.966	-	-	-	-	0.966	
4.6) COMM/NAV I/D	A		-	-	5.293	-	-	1.219	-	-	1.220	-	-	1.224	-	-	-	-	1.224	
4.7) Software Load	A		-	-	2.983	-	-	0.741	-	-	0.750	-	-	0.753	-	-	-	-	0.753	
4.8) Non Destruct Inspection (NDI)	A		-	-	6.786	-	-	1.506	-	-	1.510	-	-	1.513	-	-	-	-	1.513	
4.9) Cryogenics	A		-	-	6.333	-	-	1.423	-	-	1.425	-	-	1.422	-	-	-	-	1.422	
4.10) Hydraulics	A		-	-	4.010	-	-	0.913	-	-	0.917	-	-	0.920	-	-	-	-	0.920	

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** A/C COMMON 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)
4.11) Propulsion	A		-	-	10.971	-	-	3.149	-	-	3.132	-	-	3.059	-	-	-	-	-	3.059
4.12) Platform Support	A		-	-	13.524	-	-	3.737	-	-	3.703	-	-	3.700	-	-	-	-	-	3.700
4.13) Electrical	A		-	-	4.862	-	-	1.241	-	-	1.246	-	-	1.273	-	-	-	-	-	1.273
4.14) Electronic Warfare	A		-	-	5.453	-	-	1.306	-	-	1.308	-	-	1.311	-	-	-	-	-	1.311
Subtotal: 4) Production Engineering Support			-	-	75.806	-	-	18.916	-	-	18.913	-	-	18.895	-	-	-	-	-	18.895
5) Installations																				
5.1) Non FMP Installations	A		-	-	11.194	-	-	1.776	-	-	3.312	-	-	3.154	-	-	-	-	-	3.154
5.2) FMP Installations	A		-	-	11.302	-	-	3.026	-	-	1.861	-	-	1.912	-	-	-	-	-	1.912
Subtotal: 5) Installations			-	-	22.496	-	-	4.802	-	-	5.173	-	-	5.066	-	-	-	-	-	5.066
Total			-	-	196.095	-	-	72.330	-	-	65.067	-	-	60.241	-	-	-	-	-	60.241

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) Transportation Code in prior years was budgeted under Production Engineering Support. Transportation Cost are not included in Unit Price in prior years or within the Future Year Defense Plan (FYDP).

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: A/C COMMON 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) Hardware												
1.1) Weapons Control - Cralts Replacement (CAATS) ^(†)		2015	SAIC / Indianapolis IN	SS / FFP	NAWCAD LKE	Sep 2015	Sep 2016	50	140,000.00	Y		
1.1) Weapons Control - Cralts Replacement (CAATS) ^(†)		2016	TBD / TBD	C / FFP	TBD	Sep 2016	Aug 2017	57	140,000.00	Y		
1.1) Weapons Control - Cralts Replacement (CAATS) ^(†)		2017 ⁽²⁾	TBD / TBD	C / FFP	TBD	Mar 2017	Apr 2018	65	140,000.00	Y		
1.2) Vibration - Vibration Analyzer ^(†)		2016	NUWC / KEYPORT,WA	PO	NAWCAD LKE	Aug 2016	Jun 2017	80	26,250.00	Y		
1.2) Vibration - Vibration Analyzer ^(†)		2017	NUWC / KEYPORT,WA	PO	NAWCAD LKE	Feb 2017	Apr 2018	80	26,500.00	Y		
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP ^(†)		2013	ENTWISTLE COMPANY / HUDSON, MA	SS / FFP	NAWCAD LKE	Mar 2013	Feb 2016	25	171,040.00	Y		Jun 2009
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP ^(†)		2014	ENTWISTLE COMPANY / HUDSON, MA	SS / FFP	NAWCAD LKE	Dec 2013	Feb 2017	8	174,000.00	Y		Jun 2009
1.5) S/W Loader - Next Generation Software Loader ^(†)		2014	NSWC CRANE / IN	PO	NSWC CRANE	Feb 2014	Mar 2015	100	37,000.00	Y		
1.5) S/W Loader - Next Generation Software Loader ^(†)		2015	NSWC CRANE / IN	PO	NSWC CRANE	Jan 2015	Feb 2016	104	36,538.46	Y		
1.5) S/W Loader - Next Generation Software Loader ^(†)		2016	NSWC CRANE / IN	PO	NSWC CRANE	Feb 2016	Dec 2016	130	40,000.00	Y		
1.5) S/W Loader - Next Generation Software Loader ^(†)		2017	NSWC CRANE / IN	PO	NSWC CRANE	Dec 2016	Dec 2017	120	41,000.00	Y		
1.7) Hydraulics - Hydraulic Test Stand I Level ^(†)		2014 ⁽³⁾	Hydraulics International Inc. (2) ⁽⁴⁾ / CHATSWORTH CA	C / FFP	NAWCAD LKE	Sep 2015	Dec 2015	10	283,600.00	Y		Aug 2011
1.7) Hydraulics - Hydraulic Test Stand I Level ^(†)		2015	Hydraulics International Inc. (1) ⁽⁵⁾ / CHATSWORTH CA	C / FFP	NAWCAD LKE	Sep 2015	Sep 2016	13	134,538.00	Y		Aug 2011
1.7) Hydraulics - Hydraulic Test Stand I Level ^(†)		2016	Hydraulics International Inc. (1) ⁽⁵⁾ / CHATSWORTH CA	C / FFP	NAWCAD LKE	Dec 2015	Feb 2017	18	138,500.00	Y		Aug 2011
1.7) Hydraulics - Hydraulic Test Stand I Level ^(†)		2017	Hydraulics International Inc. (1) ⁽⁵⁾ / CHATSWORTH CA	C / FFP	NAWCAD LKE	Nov 2016	Oct 2017	14	142,714.29	Y		Aug 2011
1.9) Platform Support - Air Conditioner Ship Shore ^(†)		2015	DRS TECHNOLOGIES (2) ⁽⁶⁾ / FLORENCE, KY	C / FFP	NAWCAD LKE	Mar 2016	Oct 2016	80	111,050.00	Y		Dec 2009
1.9) Platform Support - Air Conditioner Ship Shore ^(†)		2016	DRS TECHNOLOGIES (1) ⁽⁷⁾ / FLORENCE, KY	C / FFP	NAWCAD LKE	Mar 2016	Sep 2017	40	137,775.00	Y		Dec 2009

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: A/C COMMON 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 (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.9) Platform Support - Air Conditioner Ship Shore ^(†)		2017	DRS TECHNOLOGIES (1) ⁽⁷⁾ / FLORENCE, KY	C / FFP	NAWCAD LKE	Nov 2016	Jan 2018	59	138,000.00	Y		Dec 2009
1.11) Platform Support - Shipboard, Tractor ^(†)		2015	Schopf / Ostfildern, Germany	C / FFP	NAWCAD LKE	Feb 2015	Nov 2015	51	123,000.00	Y		Apr 2009
1.11) Platform Support - Shipboard, Tractor ^(†)		2016	Schopf / Ostfildern, Germany	C / FFP	NAWCAD LKE	Oct 2015	Aug 2016	11	125,000.00	Y		Apr 2009
1.15) Electrical - Large Capacity MEPP ^(†)		2014	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Mar 2016	Sep 2016	100	67,870.00	Y		Apr 2010
1.15) Electrical - Large Capacity MEPP ^(†)		2015	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Mar 2016	Mar 2017	113	70,150.44	Y		Apr 2010
1.15) Electrical - Large Capacity MEPP ^(†)		2016	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Mar 2016	Nov 2017	95	75,705.26	Y		Apr 2010
1.15) Electrical - Large Capacity MEPP ^(†)		2017	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Jan 2017	May 2018	43	75,720.93	Y		Apr 2010
1.16) Electrical - Small Capacity MEPP (Shipboard) ^(†)		2015	JBT CORP / OGDEN, UT	C / FFP	NAWCAD LKE	Feb 2015	Jun 2016	5	200,000.00	Y		Nov 2013
1.19) Electronic Warfare-JSECST Upgrade ^(†)		2014	AAI Corporation / Hunt Valley, MD	MIPR	Warner Robins AFB, GA	Sep 2015	Jul 2016	69	50,000.00	Y		Jan 2014
1.19) Electronic Warfare-JSECST Upgrade ^(†)		2016	AAI Corporation / Hunt Valley, MD	MIPR	Warner Robins AFB, GA	Mar 2016	Apr 2017	75	54,533.33	Y		Jan 2014
1.19) Electronic Warfare-JSECST Upgrade ^(†)		2017	AAI Corporation / Hunt Valley, MD	MIPR	Warner Robins AFB, GA	Nov 2016	Dec 2017	17	60,000.00	Y		Jan 2014

^(†) indicates the presence of a P-21

Footnotes:

- ⁽²⁾ Cralts Replacement (CAATS): FY16 & FY17 Delivery Schedule has been updated to reflect current programs acquisition strategy.
- ⁽³⁾ 1.7 Hydraulics: The contract award date slipped due to additional time required to correct deficiencies identified during testing.
- ⁽⁴⁾ Hydraulics - Hydraulic Test Stand I Level: Initial Lead Time for FY14 Deliveries.
- ⁽⁵⁾ Hydraulics - Hydraulic Test Stand I Level: Initial Lead Time for FY15 Deliveries and out.
- ⁽⁶⁾ Platform Support - Air Conditioner Ship Shore: Initial Lead Time for FY15 Deliveries.
- ⁽⁷⁾ Platform Support - Air Conditioner Ship Shore: Initial Lead Time for FY16 Deliveries and out.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** A/C COMMON 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) Hardware																																	
1.1) Weapons Control - Cralts Replacement (CAATS)																																	
Prior Years Deliveries: 5																																	
1	2015	NAVY		50	-	50																							50				
2	2016	NAVY		57	-	57																							57				
2	2017	NAVY		65	-	65																							65				
1.2) Vibration - Vibration Analyzer																																	
Prior Years Deliveries: 8																																	
3	2016	NAVY		80	-	80																							80				
3	2017	NAVY		80	-	80																							80				
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP																																	
Prior Years Deliveries: 32																																	
4	2013	NAVY		25	-	25																							25				
4	2014	NAVY		8	-	8																							8				
1.5) S/W Loader - Next Generation Software Loader																																	
Prior Years Deliveries: 80																																	
5	2014	NAVY		100	-	100																							100				
5	2015	NAVY		104	-	104																							104				
5	2016	NAVY		130	-	130																							130				
5	2017	NAVY		120	-	120																							120				
1.7) Hydraulics - Hydraulic Test Stand I Level																																	
Prior Years Deliveries: 3																																	
7	2014	NAVY		10	-	10																							10				
6	2015	NAVY		13	-	13																							13				
6	2016	NAVY		18	-	18																							18				
6	2017	NAVY		14	-	14																							14				
1.9) Platform Support - Air Conditioner Ship Shore																																	
Prior Years Deliveries: 8																																	
9	2015	NAVY		80	-	80																							80				
8	2016	NAVY		40	-	40																							40				
8	2017	NAVY		59	-	59																							59				
1.11) Platform Support - Shipboard, Tractor																																	
Prior Years Deliveries: 142																																	
							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 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
		Aggregated Items: A/C COMMON 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							
10	2015	NAVY		51	-	51																																51
10	2016	NAVY		11	-	11																															11	
1.15) Electrical - Large Capacity MEPP																																						
Prior Years Deliveries: 5																																						
11	2014	NAVY		100	-	100																														100		
11	2015	NAVY		113	-	113																														113		
11	2016	NAVY		95	-	95																														95		
11	2017	NAVY		43	-	43																														43		
1.16) Electrical - Small Capacity MEPP (Shipboard)																																						
12	2015	NAVY		5	-	5																														5		
1.19) Electronic Warfare- JSECST Upgrade																																						
Prior Years Deliveries: 4																																						
13	2014	NAVY		69	-	69																													69			
13	2016	NAVY		75	-	75																														75		
13	2017	NAVY		17	-	17																														17		
							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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** A/C COMMON SUPPORT EQUIPMENT

Items (Units in Each)				Fiscal Year 2015														Fiscal Year 2016												BALANCE			
O 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) Hardware																																	
1.1) Weapons Control - Cralts Replacement (CAATS)																																	
Prior Years Deliveries: 5																																	
1	2015	NAVY		50	-	50																							4	46			
2	2016	NAVY		57	-	57																							A -	57			
2	2017	NAVY		65	-	65																								65			
1.2) Vibration - Vibration Analyzer																																	
Prior Years Deliveries: 8																																	
3	2016	NAVY		80	-	80																							A -	80			
3	2017	NAVY		80	-	80																								80			
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP																																	
Prior Years Deliveries: 32																																	
4	2013	NAVY		25	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9			
4	2014	NAVY		8	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8			
1.5) S/W Loader - Next Generation Software Loader																																	
Prior Years Deliveries: 80																																	
5	2014	NAVY		100	-	100	-	-	-	-	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	-			
5	2015	NAVY		104	-	104																							10	22			
5	2016	NAVY		130	-	130																						A -	130				
5	2017	NAVY		120	-	120																								120			
1.7) Hydraulics - Hydraulic Test Stand I Level																																	
Prior Years Deliveries: 3																																	
7	2014	NAVY		10	-	10																								-			
6	2015	NAVY		13	-	13																							A -	11			
6	2016	NAVY		18	-	18																							A -	18			
6	2017	NAVY		14	-	14																								14			
1.9) Platform Support - Air Conditioner Ship Shore																																	
Prior Years Deliveries: 8																																	
9	2015	NAVY		80	-	80																							A -	80			
8	2016	NAVY		40	-	40																							A -	40			
8	2017	NAVY		59	-	59																								59			
1.11) Platform Support - Shipboard, Tractor																																	
Prior Years Deliveries: 142																																	
							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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** A/C COMMON SUPPORT EQUIPMENT

Items (Units in Each)				Fiscal Year 2017													Fiscal Year 2018													BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	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) Hardware																																	
1.1) Weapons Control - Cralts Replacement (CAATS)																																	
Prior Years Deliveries: 5																																	
1	2015	NAVY	50	4	46	4	4	4	5	5	5	5	5	5	4															-			
2	2016	NAVY	57	-	57	-	-	-	-	-	-	-	-	-	-	7	7	7	7	7	7	7	7	7	7	1			-				
2	2017	NAVY	65	-	65											A	-	-	-	-	-	-	-	-	-	6	7	7	7	7	7	24	
1.2) Vibration - Vibration Analyzer																																	
Prior Years Deliveries: 8																																	
3	2016	NAVY	80	-	80	-	-	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8	8	8						-			
3	2017	NAVY	80	-	80											A	-	-	-	-	-	-	-	-	-	8	8	8	8	8	32		
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP																																	
Prior Years Deliveries: 32																																	
4	2013	NAVY	25	16	9	2	2	2	3																						-		
4	2014	NAVY	8	-	8	-	-	-	-	1	2	2	2	1																	-		
1.5) S/W Loader - Next Generation Software Loader																																	
Prior Years Deliveries: 80																																	
5	2014	NAVY	100	100	-																										-		
5	2015	NAVY	104	82	22	11	11																								-		
5	2016	NAVY	130	-	130	-	-	11	11	11	11	11	11	11	11	11	11	10	10												-		
5	2017	NAVY	120	-	120																					10	10	10	10	10	10	20	
1.7) Hydraulics - Hydraulic Test Stand I Level																																	
Prior Years Deliveries: 3																																	
7	2014	NAVY	10	10	-																										-		
6	2015	NAVY	13	2	11	2	2	2	3	2																					-		
6	2016	NAVY	18	-	18	-	-	-	-	1	3	3	2	2	2	2	2	1													-		
6	2017	NAVY	14	-	14																					1	2	2	2	2	2	-	
1.9) Platform Support - Air Conditioner Ship Shore																																	
Prior Years Deliveries: 8																																	
9	2015	NAVY	80	-	80	7	7	7	7	7	7	7	7	7	7	3															-		
8	2016	NAVY	40	-	40	-	-	-	-	-	-	-	-	-	-	7	10	10	10	3											-		
8	2017	NAVY	59	-	59																					7	10	10	10	10	10	-	
1.11) Platform Support - Shipboard, Tractor																																	
Prior Years Deliveries: 142																																	
						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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** A/C COMMON SUPPORT EQUIPMENT

Items (Units in Each)						Fiscal Year 2017													Fiscal Year 2018													B A L A N C E	
O C C O	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 1 6	B A L 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			
	10	2015	NAVY	51	51	-																										-	
	10	2016	NAVY	11	6	5	5																									-	
1.15) Electrical - Large Capacity MEPP																																	
Prior Years Deliveries: 5																																	
	11	2014	NAVY	100	15	85	15	15	15	15	15	10																				-	
	11	2015	NAVY	113	-	113	-	-	-	-	-	5	15	15	15	15	15	15	15	3												-	
	11	2016	NAVY	95	-	95	-	-	-	-	-	-	-	-	-	-	-	-	12	15	15	15	15	15	8						-		
	11	2017	NAVY	43	-	43				A	-	-	-	-	-	-	-	-	-	-	-	-	7	15	15	6					-		
1.16) Electrical - Small Capacity MEPP (Shipboard)																																	
	12	2015	NAVY	5	5	-																									-		
1.19) Electronic Warfare- JSECST Upgrade																																	
Prior Years Deliveries: 4																																	
	13	2014	NAVY	69	21	48	7	7	7	7	7	6																			-		
	13	2016	NAVY	75	-	75	-	-	-	-	-	1	10	10	10	10	10	10	10	4											-		
	13	2017	NAVY	17	-	17		A	-	-	-	-	-	-	-	-	-	-	6	10	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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** A/C COMMON SUPPORT EQUIPMENT

Items <i>(Units in Each)</i>				Fiscal Year 2019													Fiscal Year 2020													BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019													Calendar Year 2020													
							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) Hardware																																	
1.1) Weapons Control - Cralts Replacement (CAATS)																																	
Prior Years Deliveries: 5																																	
1	2015	NAVY		50	50	-																							-				
2	2016	NAVY		57	57	-																							-				
2	2017	NAVY		65	41	24	7	7	7	3																			-				
1.2) Vibration - Vibration Analyzer																																	
Prior Years Deliveries: 8																																	
3	2016	NAVY		80	80	-																							-				
3	2017	NAVY		80	48	32	8	8	8	8																			-				
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP																																	
Prior Years Deliveries: 32																																	
4	2013	NAVY		25	25	-																							-				
4	2014	NAVY		8	8	-																							-				
1.5) S/W Loader - Next Generation Software Loader																																	
Prior Years Deliveries: 80																																	
5	2014	NAVY		100	100	-																							-				
5	2015	NAVY		104	104	-																							-				
5	2016	NAVY		130	130	-																							-				
5	2017	NAVY		120	100	20	10	10																					-				
1.7) Hydraulics - Hydraulic Test Stand I Level																																	
Prior Years Deliveries: 3																																	
7	2014	NAVY		10	10	-																							-				
6	2015	NAVY		13	13	-																							-				
6	2016	NAVY		18	18	-																							-				
6	2017	NAVY		14	14	-																							-				
1.9) Platform Support - Air Conditioner Ship Shore																																	
Prior Years Deliveries: 8																																	
9	2015	NAVY		80	80	-																							-				
8	2016	NAVY		40	40	-																							-				
8	2017	NAVY		59	59	-																							-				
1.11) Platform Support - Shipboard, Tractor																																	
Prior Years Deliveries: 142																																	
							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 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
Aggregated Items: A/C COMMON SUPPORT EQUIPMENT		

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	SAIC - Indianapolis IN	2	84	168	-	6	10	16	-	-	-	-	-
2	TBD - TBD	2	84	168	-	2	7	9	-	-	-	-	-
3	NUWC - KEYPORT,WA	1	96	192	-	9	6	15	-	3	8	11	
4	ENTWISTLE COMPANY - HUDSON, MA	1	36	72	-	5	6	11	-	-	-	-	-
5	NSWC CRANE - IN	2	144	288	-	4	6	10	-	-	-	-	-
6	Hydraulics International Inc. (1) ⁽⁵⁾ - CHATSWORTH CA	1	24	48	-	11	11	22	-	5	6	11	
7	Hydraulics International Inc. (2) ⁽⁴⁾ - CHATSWORTH CA	1	24	48	-	1	3	4	-	-	-	-	-
8	DRS TECHNOLOGIES (1) ⁽⁷⁾ - FLORENCE, KY	2	120	240	-	4	6	10	-	4	10	14	
9	DRS TECHNOLOGIES (2) ⁽⁶⁾ - FLORENCE, KY	2	120	240	-	3	7	10	-	-	-	-	-
10	Schopf - Ostfildern, Germany	2	96	192	-	9	12	21	-	5	7	12	
11	Essex Electro Engineers, Inc - Schaumburg, IL	3	180	360	-	1	5	6	-	1	2	3	
12	JBT CORP - OGDEN, UT	1	60	120	-	1	4	5	-	-	-	-	-
13	AAI Corporation - Hunt Valley, MD	1	84	168	-	1	6	7	-	3	2	5	

"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:

- ⁽⁴⁾ Hydraulics - Hydraulic Test Stand I Level: Initial Lead Time for FY14 Deliveries.
- ⁽⁵⁾ Hydraulics - Hydraulic Test Stand I Level: Initial Lead Time for FY15 Deliveries and out.
- ⁽⁶⁾ Platform Support - Air Conditioner Ship Shore: Initial Lead Time for FY15 Deliveries.
- ⁽⁷⁾ Platform Support - Air Conditioner Ship Shore: Initial Lead Time for FY16 Deliveries and out.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Navy														Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1						P-1 Line Item Number / Title: 0705 / Common Ground Equipment						Aggregated Items Title: ICP/HEADQUARTERS MANAGED 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) Hardware																				
1.1) CSE Initial Outfitting ⁽⁸⁾	A		-	-	18.990	-	-	6.026	-	-	2.094	-	-	2.131	-	-	-	-	-	2.131
1.2) PSE Initial Outfitting ⁽⁹⁾	A		-	-	27.319	-	-	5.150	-	-	10.057	-	-	10.553	-	-	-	-	-	10.553
1.3) New Support Equipment ⁽¹⁰⁾	A		-	-	40.993	-	-	7.034	-	-	11.042	-	-	13.490	-	-	-	-	-	13.490
Subtotal: 1) Hardware			-	-	87.302	-	-	18.210	-	-	23.193	-	-	26.174	-	-	-	-	-	26.174
2) Production Engineering																				
2.1) CSE Initial Outfitting	A		-	-	0.923	-	-	0.229	-	-	0.232	-	-	0.238	-	-	-	-	-	0.238
2.2) PSE Initial Outfitting	A		-	-	7.902	-	-	0.759	-	-	0.766	-	-	0.787	-	-	-	-	-	0.787
2.3) New Support Equipment	A		-	-	16.990	-	-	2.300	-	-	4.021	-	-	4.231	-	-	-	-	-	4.231
Subtotal: 2) Production Engineering			-	-	25.815	-	-	3.288	-	-	5.019	-	-	5.256	-	-	-	-	-	5.256
3) OCO																				
3.1) Individual Material Readiness List (IMRL) OCO	A		-	-	10.655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) OCO			-	-	10.655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	123.772	-	-	21.498	-	-	28.212	-	-	31.430	-	-	-	-	-	31.430

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

Footnotes:

- ⁽⁸⁾ Additional CSE for initial outfitting of sites due to: (a) intro of weapon systems and (b) baseloading changes for existing weapon systems/subsystems.
- ⁽⁹⁾ Additional PSE for initial outfitting of sites due to baseloading changed for out-of-production weapon systems and subsystems.
- ⁽¹⁰⁾ New SE Required for replacement of existing SE due to obsolescent and attrition.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items Title: CONSOLIDATED AUTOMATED SUPPORT SYSTEM
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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)
1) Hardware																				
1.1) RT CASS	A		1,740K	149	259.280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) eCASS ^{(11)(f)}	B		2,522K	36	90.800	2,516K	28	70.457	2,567K	35	89.833	2,618K	28	73.304	-	-	-	2,618K	28	73.304
Subtotal: 1) Hardware			-	-	350.080	-	-	70.457	-	-	89.833	-	-	73.304	-	-	-	-	-	73.304
2) ECP																				
2.1) RT CASS	A		-	-	108.352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) eCASS	B		-	-	-	-	-	-	-	-	0.669	-	-	1.093	-	-	-	-	-	1.093
Subtotal: 2) ECP			-	-	108.352	-	-	-	-	-	0.669	-	-	1.093	-	-	-	-	-	1.093
3) ILS																				
3.1) RT CASS	A		-	-	44.920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) eCASS	B		-	-	19.653	-	-	3.429	-	-	3.939	-	-	4.390	-	-	-	-	-	4.390
Subtotal: 3) ILS			-	-	64.573	-	-	3.429	-	-	3.939	-	-	4.390	-	-	-	-	-	4.390
4) Production Engineering																				
4.1) RT CASS	A		-	-	93.745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) eCASS	B		-	-	14.047	-	-	4.984	-	-	4.383	-	-	4.040	-	-	-	-	-	4.040
Subtotal: 4) Production Engineering			-	-	107.792	-	-	4.984	-	-	4.383	-	-	4.040	-	-	-	-	-	4.040
5) Non FMP Installations																				
5.1) RT CASS	A		-	-	29.076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) eCASS	B		-	-	1.800	-	-	2.038	-	-	3.234	-	-	1.041	-	-	-	-	-	1.041
Subtotal: 5) Non FMP Installations			-	-	30.876	-	-	2.038	-	-	3.234	-	-	1.041	-	-	-	-	-	1.041
6) FMP Installations																				
6.1) RT CASS	A		-	-	31.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) eCASS	B		-	-	0.300	-	-	-	-	-	0.958	-	-	0.153	-	-	-	-	-	0.153
Subtotal: 6) FMP Installations			-	-	31.575	-	-	-	-	-	0.958	-	-	0.153	-	-	-	-	-	0.153
Total			-	-	693.248	-	-	80.908	-	-	103.016	-	-	84.021	-	-	-	-	-	84.021

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

Footnotes:
 (11) eCASS FY16 Full Rate Production (FRP) unit cost and quantity was revised based on LRIP 3 contract negotiation and award in January 2015. FY17-FY21 procurement quantities reduced as a result of unit cost increase and Issues 50159 & 50051.

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy							Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0705 / Common Ground Equipment				Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM				

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) Hardware												
1.2) eCASS ^{(11)(f)}		2013	Lockheed Martin (LRIP 1) / Orlando, FL	C / FPIF	NAWCAD LKE	Dec 2013	Feb 2015	18	2,500K	N	Jul 2016	Mar 2009
1.2) eCASS ^{(11)(f)}		2014	Lockheed Martin (LRIP 2) ⁽¹²⁾ / Orlando, FL	C / FPIF	NAWCAD LKE	Dec 2013	Nov 2015	18	2,544K	N	Jul 2016	Mar 2009
1.2) eCASS ^{(11)(f)}		2015	Lockheed Martin (LRIP 3) ⁽¹³⁾ / Orlando, FL	SS / FFP	NAWCAD LKE	Jan 2015	Aug 2016	28	2,516K	N	Jul 2016	May 2014
1.2) eCASS ^{(11)(f)}		2016	Lockheed Martin (FRP) / Orlando, FL	SS / FFP	NAWCAD LKE	Jun 2016	Dec 2017	35	2,567K	N	Jul 2016	Oct 2015
1.2) eCASS ^{(11)(f)}		2017	Lockheed Martin (FRP) / Orlando, FL	SS / FFP	NAWCAD LKE	Jun 2017	Dec 2018	28	2,618K	N	Jul 2016	Oct 2015

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

Footnotes:

⁽¹²⁾ Concurrent LRIP 1 & LRIP 2 award at Milestone C causes increased Mfg PLT for LRIP 2 due to prior negotiated production rates.

⁽¹³⁾ MFG PLT for LRIP 3 adjusted to provide continuity of production from LRIP 2 per contract award.

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Exhibit P-21, Production Schedule: PB 2017 Navy																				Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1										P-1 Line Item Number / Title: 0705 / Common Ground Equipment										Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM					

Items <i>(Units in Each)</i>						Fiscal Year 2014														Fiscal Year 2015														B A L A N C E	
O C C O	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) Hardware																																			
1.2) eCASS ⁽¹¹⁾																																			
	14	2013	NAVY	18	-	18				A -	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2			
	15	2014	NAVY	18	-	18				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
	16	2015	NAVY	28	-	28																A -	-	-	-	-	-	-	-	-	-	-	28		
	17	2016	NAVY	35	-	35																											35		
	17	2017	NAVY	28	-	28																											28		

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Exhibit P-21, Production Schedule: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
		Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM

Items <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												B A L A N C E	
O C C O #	M F R Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 1 5	B A L D U E A S O F 1 O C T	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) Hardware																															
1.2) eCASS ⁽¹¹⁾																															
14	2013	NAVY	18	16	2	2																							-		
15	2014	NAVY	18	-	18	-	2	2	2	2	2	2	2	2	2														-		
16	2015	NAVY	28	-	28	-	-	-	-	-	-	-	-	-	2	2	3	2	3	2	3	2	3	2	3	1			-		
17	2016	NAVY	35	-	35									A	-	-	-	-	-	-	-	-	-	-	-	-	-		35		
17	2017	NAVY	28	-	28																					A	-	-	-	-	28

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Exhibit P-21, Production Schedule: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
		Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM

Items <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019												B A L A N C E	
O C C O	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) Hardware																															
1.2) eCASS ⁽¹¹⁾																															
	14	2013	NAVY	18	18	-																							-		
	15	2014	NAVY	18	18	-																							-		
	16	2015	NAVY	28	28	-																							-		
	17	2016	NAVY	35	-	35	-	-	2	3	3	3	3	3	3	3	3	3	3										-		
	17	2017	NAVY	28	-	28	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2	3	2	3	2	3	2	2	4		
							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 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
		Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM

Items <i>(Units in Each)</i>						Fiscal Year 2020												Fiscal Year 2021												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021												
							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) Hardware																															
1.2) eCASS ⁽¹¹⁾																															
	14	2013	NAVY	18	18	-																							-		
	15	2014	NAVY	18	18	-																							-		
	16	2015	NAVY	28	28	-																							-		
	17	2016	NAVY	35	35	-																							-		
	17	2017	NAVY	28	24	4		2	2																				-		
							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 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1		P-1 Line Item Number / Title: 0705 / Common Ground Equipment
		Aggregated Items: CONSOLIDATED AUTOMATED SUPPORT SYSTEM

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	Lockheed Martin (LRIP 1) - Orlando, FL	12	18	24	-	6	14	20	-	-	-	-
2	Lockheed Martin (LRIP 2) ⁽¹²⁾ - Orlando, FL	12	18	24	-	6	23	29	-	-	-	-
3	Lockheed Martin (LRIP 3) ⁽¹³⁾ - Orlando, FL	24	30	36	-	6	19	25	-	-	-	-
4	Lockheed Martin (FRP) - Orlando, FL	24	36	48	5	6	18	24	5	6	18	24

"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:

⁽¹²⁾ Concurrent LRIP 1 & LRIP 2 award at Milestone C causes increased Mfg PLT for LRIP 2 due to prior negotiated production rates.

⁽¹³⁾ MFG PLT for LRIP 3 adjusted to provide continuity of production from LRIP 2 per contract award.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** MOBILE MAINTENANCE FACILITIES

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) HARDWARE																				
1.1) Mobile Facility Vans (14)(f)	A		176,397.44	156	27.518	50,394.74	38	1.915	54,066.67	60	3.244	59,875.00	16	0.958	-	-	-	59,875.00	16	0.958
1.2) Complex Decomplex Tool	A		-	-	0.702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Environmental Control Units (15)(f)	A		9,741.14	367	3.575	3,333.33	60	0.200	4,200.00	50	0.210	-	-	-	-	-	-	-	-	-
1.4) Frequency Converters	A		-	-	0.520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) Static Mobile Frequency Converters	A		125,000.00	17	2.125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) Tactical Quite Generator	A		-	-	28.473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) HARDWARE			-	-	62.913	-	-	2.115	-	-	3.454	-	-	0.958	-	-	-	-	-	0.958
2) ILS																				
2.1) Non-FMP Installations	A		-	-	16.197	-	-	1.299	-	-	1.292	-	-	1.103	-	-	-	-	-	1.103
Subtotal: 2) ILS			-	-	16.197	-	-	1.299	-	-	1.292	-	-	1.103	-	-	-	-	-	1.103
3) Production Engineering																				
3.1) Mobile Facility Vans	A		-	-	24.263	-	-	3.669	-	-	2.232	-	-	2.174	-	-	-	-	-	2.174
Subtotal: 3) Production Engineering			-	-	24.263	-	-	3.669	-	-	2.232	-	-	2.174	-	-	-	-	-	2.174
4) Miscellaneous Support																				
4.1) Publications	A		-	-	2.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Miscellaneous Support			-	-	2.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	105.445	-	-	7.083	-	-	6.978	-	-	4.235	-	-	-	-	-	4.235

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

(f) indicates the presence of a P-5a

Footnotes:

(14) FY17-FY21 Mobile Facility Vans quantity decreased to slow procurements due to competing resources.

(15) Environmental Control Unit: Procurements reduced to zero in FY17 due to production plan to build Integration Unit configuration mobile facilities which do not house Environment Control Units. Qty in FY19 and FY21 are decreased due to slow procurements due to competing resources.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: MOBILE MAINTENANCE FACILITIES
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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) HARDWARE												
1.1) Mobile Facility Vans ⁽¹⁴⁾		2015	Gichner Shelter / Dallastown, PA	C / IDIQ	NAWCAD LKE	Feb 2015	Aug 2015	38	50,394.74	Y		May 2012
1.1) Mobile Facility Vans ⁽¹⁴⁾		2016	Gichner Shelter / Dallastown, PA	C / IDDQ	NAWCAD LKE	Oct 2015	Apr 2016	60	54,066.67	Y		May 2012
1.1) Mobile Facility Vans ⁽¹⁴⁾		2017	Gichner Shelter / Dallastown, PA	C / IDDQ	NAWCAD LKE	Oct 2016	Apr 2017	16	59,875.00	N		May 2012
1.3) Environmental Control Units ⁽¹⁵⁾		2015	Env. Sys. / Jacksonville, FL	C / FFP	NAWCAD LKE	Feb 2015	Jul 2015	60	3,333.33	Y		Nov 2011
1.3) Environmental Control Units ⁽¹⁵⁾		2016	Env. Sys. / Jacksonville, FL	C / FFP	NAWCAD LKE	Nov 2015	Apr 2016	50	4,200.00	Y		Nov 2011

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** GENERAL SKILLS TRAINING

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) Hardware																				
1.1) A School - AME Environmental Control Systems (ECS) Trainers ^{(16)(f)}	A		-	-	-	8,529.41	17	0.145	-	-	-	-	-	-	-	-	-	-	-	
1.2) A School - AB Electronic Classroom (ECR) Upgrades ^(f)	A		-	-	-	467,000.00	1	0.467	-	-	-	913,000.00	1	0.913	-	-	-	913,000.00	1	0.913
1.3) A School - AE Curriculum/ PC Simulation Upgrades ^(f)	A		-	-	-	1,293K	1	1.293	1,717K	1	1.717	-	-	-	-	-	-	-	-	
1.4) ACTS - Expeditionary Laptop Upgrades ^{(17)(f)}	A		-	-	-	1,540.00	50	0.077	2,820.00	50	0.141	2,700.00	50	0.135	-	-	-	2,700.00	50	0.135
1.5) ACTS - CONUS/ CVN Server Upgrades ^(f)	A		-	-	-	11,250.00	4	0.045	-	-	-	-	-	-	-	-	-	-	-	
1.6) ATC - 15G34 Tower Simulation System (TSS) Procurement ^(f)	A		173,410.26	39	6.763	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.7) ATC - 15G30 Integrated Shipboard Information System (ISIS) HW Upgrades ^(f)	A		-	-	-	207,000.00	1	0.207	-	-	-	-	-	-	-	-	-	-	-	
1.8) ATC - 15G30 Integrated Shipboard Information System (ISIS) SW Upgrades ^(f)	A		-	-	-	163,000.00	1	0.163	-	-	-	-	-	-	-	-	-	-	-	
1.9) ATC - Air Traffic Navigation, Integration & Coordination Sys (ATNAVICS) ^(f)	A		-	-	-	336,600.00	10	3.366	-	-	-	-	-	-	-	-	-	-	-	
1.10) ATC - 15G33A Improved Precision Approach Trainer (IPART) Upgrades ^(f)	A		-	-	-	-	-	-	-	-	-	51,254.90	51	2.614	-	-	-	51,254.90	51	2.614
1.11) ATC - 15G30 Joint Precision Approach & Landing System (JPALS) Upgrades ^(f)	A		-	-	-	-	-	-	-	-	-	1,186K	2	2.371	-	-	-	1,186K	2	2.371

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** GENERAL SKILLS TRAINING

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)
1.16) NASTP - Mixed Gas Hypoxia Chambers ^(†)	A		-	-	-	-	-	-	300,000.00	4	1.200	300,000.00	4	1.200	-	-	-	300,000.00	4	1.200
1.17) NASTP - Advanced Spatial Disorientation Curricula ^{(18)(†)}	A		-	-	-	-	-	-	87,785.71	14	1.229	87,785.71	12	1.053	-	-	-	87,785.71	12	1.053
1.19) NASTP - Dynamic Ejection Trainer Tech Refresh ^{(19)(†)}	A		-	-	-	206,000.00	2	0.412	-	-	-	-	-	-	-	-	-	-	-	-
1.21) NASTP - Virtual Reality Parachute Descent Trainer (VRPDT) Win7 Upgrades ^{(20)(†)}	A		-	-	-	-	-	-	21,088.24	34	0.717	-	-	-	-	-	-	-	-	-
1.25) LSO - Training System Upgrades ^(†)	A		1,649K	1	1.649	547,000.00	1	0.547	-	-	-	-	-	-	-	-	-	-	-	-
1.26) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades ^(†)	A		2,265K	1	2.265	75,000.00	1	0.075	287,000.00	1	0.287	85,000.00	1	0.085	-	-	-	85,000.00	1	0.085
1.27) Common ASW - Tactical Acoustic Intelligence (ACINT) Product Upgrades ^(†)	A		158,000.00	1	0.158	210,000.00	1	0.210	-	-	-	171,000.00	1	0.171	-	-	-	171,000.00	1	0.171
Subtotal: 1) Hardware			-	-	10.835	-	-	7.007	-	-	5.291	-	-	8.542	-	-	-	-	-	8.542
2) ILS																				
2.1) A School	A		-	-	-	-	-	0.083	-	-	0.032	-	-	-	-	-	-	-	-	-
2.2) ATC	A		-	-	0.445	-	-	0.275	-	-	-	-	-	0.199	-	-	-	-	-	0.199
2.3) NASTP	A		-	-	0.563	-	-	0.286	-	-	0.601	-	-	0.389	-	-	-	-	-	0.389
2.4) LSO	A		-	-	0.325	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-
2.5) Common ASW	A		-	-	0.038	-	-	0.001	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
Subtotal: 2) ILS			-	-	1.371	-	-	0.650	-	-	0.634	-	-	0.589	-	-	-	-	-	0.589
3) Production Engineering																				
3.1) A School	A		-	-	-	-	-	0.256	-	-	0.234	-	-	0.061	-	-	-	-	-	0.061
3.2) ACTS	A		-	-	0.014	-	-	0.003	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003
3.3) ATC	A		-	-	0.626	-	-	0.543	-	-	-	-	-	0.260	-	-	-	-	-	0.260
3.4) NASTP	A		-	-	4.901	-	-	0.353	-	-	0.343	-	-	0.350	-	-	-	-	-	0.350
3.5) LSO	A		-	-	0.868	-	-	0.115	-	-	-	-	-	-	-	-	-	-	-	-
3.6) Common ASW	A		-	-	1.160	-	-	0.413	-	-	0.355	-	-	0.333	-	-	-	-	-	0.333

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** GENERAL SKILLS TRAINING

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: 3) Production Engineering			-	-	7.569	-	-	1.683	-	-	0.935	-	-	1.007	-	-	-	-	-	1.007
4) Non Recurring																				
4.1) Common ASW	A		-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Non Recurring			-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) Acceptance Testing																				
5.1) A School	A		-	-	-	-	-	0.034	-	-	0.038	-	-	-	-	-	-	-	-	-
5.2) ACTS	A		-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) ATC	A		-	-	0.034	-	-	0.056	-	-	-	-	-	0.055	-	-	-	-	-	0.055
5.4) NASTP	A		-	-	0.010	-	-	0.103	-	-	0.253	-	-	0.184	-	-	-	-	-	0.184
5.5) LSO	A		-	-	0.025	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-
5.6) Common ASW	A		-	-	0.100	-	-	0.001	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
Subtotal: 5) Acceptance Testing			-	-	0.209	-	-	0.201	-	-	0.292	-	-	0.240	-	-	-	-	-	0.240
6) Production Support																				
6.1) A School ⁽²¹⁾	A		-	-	-	-	-	0.110	-	-	0.169	-	-	0.026	-	-	-	-	-	0.026
6.2) ACTS	A		-	-	0.645	-	-	0.033	-	-	0.035	-	-	0.035	-	-	-	-	-	0.035
6.3) ATC	A		-	-	1.524	-	-	0.629	-	-	-	-	-	0.456	-	-	-	-	-	0.456
6.4) NASTP	A		-	-	1.083	-	-	0.314	-	-	0.273	-	-	0.204	-	-	-	-	-	0.204
6.5) LSO	A		-	-	0.557	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-
6.6) Common ASW	A		-	-	0.176	-	-	0.003	-	-	0.034	-	-	0.034	-	-	-	-	-	0.034
Subtotal: 6) Production Support			-	-	3.985	-	-	1.114	-	-	0.511	-	-	0.755	-	-	-	-	-	0.755
Total			-	-	23.975	-	-	10.655	-	-	7.663	-	-	11.133	-	-	-	-	-	11.133

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

(f) indicates the presence of a P-5a

Footnotes:
⁽¹⁶⁾ Applies to all Hardware Upgrades: Total quantity and cost of device upgrades may vary year to year.
⁽¹⁷⁾ All Items: Due to multiple Requiring Financial Managers (RFMs) in prior years, detailed breakout of prior year data is not available
⁽¹⁸⁾ Renaming: NASTP - Advanced Spatial Disorientation Devices to NASTP - Advanced Spatial Disorientation Curricula
⁽¹⁹⁾ Renaming: NASTP - Dynamic Ejection Trainer to NASTP - Dynamic Ejection Trainer Tech Refresh
⁽²⁰⁾ Renaming: NASTP - Virtual Reality Parachute Descent Trainer (VRPDT) Tech Refresh to NASTP - Virtual Reality Parachute Descent Trainer (VRPDT) Windows 7 Upgrade
⁽²¹⁾ FY15 Production Support includes a one time Front End Analysis.

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: GENERAL SKILLS TRAINING				
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) Hardware												
1.1) A School - AME Environmental Control Systems (ECS) Trainers (16)		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Mar 2015	Jun 2015	17	8,529.41	Y		
1.2) A School - AB Electronic Classroom (ECR) Upgrades		2015	T.J. Drafting & Design Corp / Pensacola, FL	C / FFP	NAWCTSD	Mar 2015	Jun 2015	1	467,000.00	Y		Jan 2015
1.2) A School - AB Electronic Classroom (ECR) Upgrades		2017	T.J. Drafting & Design Corp / Pensacola, FL	C / FFP	NAWCTSD	Dec 2016	Apr 2017	1	913,000.00	Y		Oct 2016
1.3) A School - AE Curriculum/PC Simulation Upgrades		2015	Sonalysts Inc. / Waterford, CT	C / CPFF	NAVSUP	Sep 2015	Jul 2016	1	1,293K	Y		Jun 2015
1.3) A School - AE Curriculum/PC Simulation Upgrades		2016	Sonalysts Inc. / Waterford, CT	C / CPFF	NAVSUP	Feb 2016	Aug 2016	1	1,717K	Y		Nov 2015
1.4) ACTS - Expeditionary Laptop Upgrades (17)		2015	SAI Systems / Shelton, CT	C / FFP	NAVSUP	Jun 2015	Jul 2015	50	1,540.00	Y		Apr 2015
1.4) ACTS - Expeditionary Laptop Upgrades (17)		2016	TBD / TBD	C / FFP	NAVSUP	Apr 2016	May 2016	50	2,820.00	Y		Apr 2016
1.4) ACTS - Expeditionary Laptop Upgrades (17)		2017	TBD / TBD	C / FFP	TBD	Apr 2017	May 2017	50	2,700.00	Y		Feb 2017
1.5) ACTS - CONUS/CVN Server Upgrades		2015	Diltex Inc. / West Covina, CA	C / FFP	NAVSUP	Apr 2015	May 2015	4	11,250.00	Y		Apr 2015
1.6) ATC - 15G34 Tower Simulation System (TSS) Procurement		2013	UFA Inc / Gathersburg, MD	C / FFP	NAWCTSD	Aug 2013	Oct 2015	13	178,615.38	Y		Aug 2012
1.6) ATC - 15G34 Tower Simulation System (TSS) Procurement		2014	UFA Inc (1) / Gathersburg, MD	C / FFP	NAWCTSD	Mar 2014	Feb 2016	1	171,000.00	Y		Nov 2013
1.7) ATC - 15G30 Integrated Shipboard Information System (ISIS) HW Upgrades		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Dec 2015	Mar 2016	1	207,000.00	Y		
1.8) ATC - 15G30 Integrated Shipboard Information System (ISIS) SW Upgrades		2015	NAWCAD / Lakehurst, NJ	PO	Lakehurst, NJ	Oct 2015	Mar 2016	1	163,000.00	Y		
1.9) ATC - Air Traffic Navigation, Integration & Coordination Sys (ATNAVICS)		2015	TBD / TBD	C / FFP	NAWCTSD	Aug 2016	Jan 2018	10	336,600.00	N	Jan 2016	Feb 2016
1.10) ATC - 15G33A Improved Precision Approach Trainer (IPART) Upgrades		2017	TBD / TBD	TBD	NAWCTSD	Jun 2017	May 2018	51	51,254.90	Y		Mar 2017
1.11) ATC - 15G30 Joint Precision Approach & Landing System (JPALS) Upgrades		2017	TBD / TBD	TBD	NAWCTSD	Jun 2017	Aug 2018	2	1,186K	N	Feb 2017	Mar 2017

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: GENERAL SKILLS TRAINING
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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
1.16) NASTP - Mixed Gas Hypoxia Chambers		2016	TBD / TBD	C / FFP	NAWCTSD	Feb 2016	May 2016	4	300,000.00	N	Oct 2015	Dec 2015
1.16) NASTP - Mixed Gas Hypoxia Chambers		2017	TBD / TBD	C / FFP	NAWCTSD	Feb 2017	May 2017	4	300,000.00	N	Oct 2016	Dec 2016
1.17) NASTP - Advanced Spatial Disorientation Curricula ⁽¹⁸⁾		2016	TBD / TBD	C / FFP	NAWCTSD	Apr 2016	May 2016	14	87,785.71	N	Oct 2015	Dec 2015
1.17) NASTP - Advanced Spatial Disorientation Curricula ⁽¹⁸⁾		2017	TBD / TBD	C / FFP	NAWCTSD	Apr 2017	May 2017	12	87,785.71	N	Oct 2016	Dec 2016
1.19) NASTP - Dynamic Ejection Trainer Tech Refresh ⁽¹⁹⁾		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Oct 2015	Sep 2016	2	206,000.00	Y		
1.21) NASTP - Virtual Reality Parachute Descent Trainer (VRPDT) Win7 Upgrades ⁽²⁰⁾		2016	TBD / TBD	C / TBD	NAWCTSD	May 2016	Jun 2016	34	21,088.24	N	Oct 2015	Feb 2016
1.25) LSO - Training System Upgrades		2015	TBD / TBD	C / FFP	NAWCTSD	Jun 2016	Dec 2016	1	547,000.00	Y		Feb 2016
1.26) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades		2015	General Dynamics IT Division / Fairfax, VA	C / CPFF	NSWC Carderock	May 2015	May 2016	1	75,000.00	Y		May 2012
1.26) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades		2016	General Dynamics IT Division / Fairfax, VA	C / CPFF	NSWC Carderock	May 2016	May 2017	1	287,000.00	Y		May 2012
1.26) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades		2017	General Dynamics IT Division / Fairfax, VA	C / CPFF	NSWC Carderock	May 2017	May 2018	1	85,000.00	Y		May 2012
1.27) Common ASW - Tactical Acoustic Intelligence (ACINT) Product Upgrades		2015	Office of Naval Intelligence (ONI) / DC	PO	ONI	Dec 2014	Nov 2015	1	210,000.00	Y		
1.27) Common ASW - Tactical Acoustic Intelligence (ACINT) Product Upgrades		2017	Office of Naval Intelligence (ONI) / DC	PO	ONI	Dec 2016	Nov 2017	1	171,000.00	Y		

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** TOPSCENE

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) Mission Rehearsal Pre-Planned (Topscene)																				
1.1) Product Improvement ^(t)	A		1,263K	4	5.051	863,000.00	1	0.863	1,173K	1	1.173	-	-	-	-	-	-	-	-	-
Subtotal: 1) Mission Rehearsal Pre-Planned (Topscene)			-	-	5.051	-	-	0.863	-	-	1.173	-	-	-	-	-	-	-	-	-
2) ILS																				
2.1) Topscene	A		-	-	0.891	-	-	0.242	-	-	0.244	-	-	-	-	-	-	-	-	-
Subtotal: 2) ILS			-	-	0.891	-	-	0.242	-	-	0.244	-	-	-	-	-	-	-	-	-
3) Acceptance Testing																				
3.1) Topscene	A		-	-	1.411	-	-	0.380	-	-	0.368	-	-	-	-	-	-	-	-	-
Subtotal: 3) Acceptance Testing			-	-	1.411	-	-	0.380	-	-	0.368	-	-	-	-	-	-	-	-	-
Total			-	-	7.353	-	-	1.485	-	-	1.785	-	-	-	-	-	-	-	-	-

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

^(t) indicates the presence of a P-5a

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: TOPSCENE
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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) Mission Rehearsal Pre-Planned (Topscene)												
1.1) Product Improvement		2013	SAIC / San Diego, CA	SS / FFP	Redstone Arsenal, AL	Mar 2013	Jun 2014	1	1,162K	Y		Nov 2012
1.1) Product Improvement		2014	SAIC / San Diego, CA	SS / FFP	Redstone Arsenal, AL	Mar 2014	Jun 2015	1	1,624K	Y		Nov 2013
1.1) Product Improvement		2015	LOCKHEED MARTIN / Dallas, TX	SS / FFP	Navair	Sep 2015	Dec 2016	1	863,000.00	Y		Nov 2014
1.1) Product Improvement		2016	LOCKHEED MARTIN / Dallas, TX	SS / FFP	Navair	Mar 2016	Jun 2017	1	1,173K	Y		Nov 2014

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** OTHER FLIGHT TRAINING

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) Hardware																				
1.1) CNATRA - T-45 Operational Flight Trainer (OFT) Upgrades (22)(†)	A		12,354K	1	12.354	-	-	-	-	-	-	4,323K	1	4.323	-	-	-	4,323K	1	4.323
1.2) CNATRA - TH-57 Projectors	A		1,145K	1	1.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) CNATRA - T-6 Win 10 Upgrades (23)(†)	A		-	-	-	-	-	-	11,900K	1	11.900	-	-	-	-	-	-	-	-	-
1.4) CNATRA - T-6 IOS Joystick & Throttle Mod Upgrades(†)	A		-	-	-	-	-	-	11,000.00	1	0.011	-	-	-	-	-	-	-	-	-
1.5) CNATRA- T-45 Win 10 Image Gen Sys Servers Upgrades (24)(†)	A		-	-	-	-	-	-	3,041K	1	3.041	-	-	-	-	-	-	-	-	-
1.6) CNATRA - T-45 Win 10 Instructor Operator Station Computer Upgrades (25)(†)	A		-	-	-	-	-	-	1,643K	1	1.643	-	-	-	-	-	-	-	-	-
1.7) CNATRA - T-45 Win 10 Aural Cues Computers Upgrades (26)(†)	A		-	-	-	-	-	-	434,000.00	1	0.434	-	-	-	-	-	-	-	-	-
1.8) CNATRA - T-45 UMFO - Win 10 Aural Cues Computers Upgrades (27)(†)	A		-	-	-	-	-	-	462,000.00	1	0.462	-	-	-	-	-	-	-	-	-
1.9) CNATRA - T-45 Win 10 Virtual IO SW Upgrades(†)	A		-	-	-	-	-	-	57,000.00	1	0.057	-	-	-	-	-	-	-	-	-
1.10) E-6 - Interactive Avionic Trainer Rehost(†)	A		-	-	-	1,754K	1	1.754	2,061K	1	2.061	2,008K	1	2.008	-	-	-	2,008K	1	2.008
1.12) E-6 - Windows 7 Upgrades(†)	A		-	-	-	-	-	-	48,166.67	12	0.578	-	-	-	-	-	-	-	-	-
1.13) EP-3 - 10H1 Device Upgrades(†)	A		1,052K	2	2.103	3,021K	1	3.021	339,000.00	1	0.339	-	-	-	-	-	-	-	-	-
1.14) FA-18 - Equipment Modernization(†)	A		5,141K	3	15.422	4,508K	1	4.508	3,935K	1	3.935	3,649K	1	3.649	-	-	-	3,649K	1	3.649

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** OTHER FLIGHT TRAINING

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) P-3C - 2F179A TORT Windows 7 Upgrades ^(†)	A		218,666.67	3	0.656	150,000.00	1	0.150	-	-	-	-	-	-	-	-	-	-	-	
1.16) P-3C - 14B59 FDT Windows 7 Upgrades ^(†)	A		-	-	-	150,000.00	2	0.300	-	-	-	-	-	-	-	-	-	-	-	
1.17) P-3C - 2F87 OFT Tech Refresh ^(†)	A		-	-	-	462,000.00	2	0.924	-	-	-	-	-	-	-	-	-	-	-	
1.18) P-3C - 2F179A TORT Tech Refresh ^(†)	A		-	-	-	504,500.00	2	1.009	-	-	-	-	-	-	-	-	-	-	-	
1.19) UMFO Training - MCS Block 1B ^(†)	A		-	-	-	1,932K	2	3.863	-	-	-	-	-	-	-	-	-	-	-	
1.20) USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Tech Upgrades ^(†)	A		172,000.00	1	0.172	4,901K	1	4.901	-	-	-	-	-	-	-	-	-	-	-	
1.21) USMC Fed Sim - Marine Common Aircrew Trainer (MCAT) Upgrades ⁽²⁸⁾	A		950,000.00	1	0.950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.22) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD) ^(†)	A		10,602K	1	10.602	10,602K	3	31.807	-	-	-	-	-	-	-	-	-	-	-	
1.23) USMC Fed Sim - MCAT GFE UH-1Y Weapons Mounts ^(†)	A		-	-	-	217,375.00	8	1.739	-	-	-	-	-	-	-	-	-	-	-	
1.24) USMC Fed Sim - MCAT GFE CH-53 Weapons Mounts ^(†)	A		-	-	-	163,250.00	8	1.306	-	-	-	-	-	-	-	-	-	-	-	
1.25) USMC Fed Sim - MCAT GFE MV-22 Weapons Mounts ^(†)	A		-	-	-	69,250.00	8	0.554	-	-	-	-	-	-	-	-	-	-	-	
1.26) USMC Fed Sim - CH-53E CFTD Upgrades ^{(29)(†)}	A		-	-	-	-	-	-	-	-	6,821K	1	6.821	-	-	-	6,821K	1	6.821	
1.27) USMC Fed Sim - CH-53E Aircrew Procedure Trnr 2F190-2/2F190-1 Upgrades ^{(30)(†)}	A		4,308K	2	8.616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.28) USMC Fed Sim - CH-53E APT 2F171 Upgrades ^(†)	A		-	-	-	-	-	-	-	-	3,294K	1	3.294	-	-	-	3,294K	1	3.294	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Navy															Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1					P-1 Line Item Number / Title: 0705 / Common Ground Equipment										Aggregated Items Title: OTHER FLIGHT TRAINING					
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)
1.29) USMC Fed Sim - CH-53E 2F174-1&2 Weapon Sys Trnr (WST) Visual Upgrades ^{(31)(†)}	A		6,372K	1	6.372	4,339K	1	4.339	-	-	-	-	-	-	-	-	-	-	-	
1.30) USMC Fed Sim - KC-130J Upgrades ⁽³²⁾	A		13,556K	1	13.556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.31) USMC Fed Sim - KC-130J Motion and Visual System Upgrades ^{(33)(†)}	A		-	-	-	-	-	-	19,168K	1	19.168	-	-	-	-	-	-	-	-	
1.32) USMC Fed Sim - AH-1Z Flight Training Device (FTD) Tech/Visual Upgrades	A		32,000.00	1	0.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.33) USMC Fed Sim - AH-1Z Full Flight Simulator (FFS) Tech/ Visual Upgrades ⁽³⁴⁾	A		7,329K	1	7.329	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.34) USMC Fed Sim - UH-1Y Flight Training Device (FTD) Tech/Visual Upgrades ⁽³⁵⁾	A		7,530K	1	7.530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.35) USMC Fed Sim - UH-1Y Full Flight Simulator (FFS) Tech/ Visual Upgrades ⁽³⁶⁾	A		8,192K	1	8.192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.36) USMC Fed Sim - MV-22 CFTD Tech/ Visual Upgrades ^{(37)(†)}	A		-	-	-	-	-	-	-	-	5,794K	4	23.178	-	-	-	5,794K	4	23.178	
1.38) USMC Fed Sim - FA-18 TOFT 16/28/30/31/32/33/34/35/36/ 37/38/40 Upgrades ^(†)	A		-	-	-	-	-	-	-	-	3,178K	6	19.068	-	-	-	3,178K	6	19.068	
1.39) USMC Fed Sim - FA-18 TOFT (Japan) Upgrades ^(†)	A		-	-	-	1,411K	2	2.822	-	-	-	-	-	-	-	-	-	-	-	
1.40) USMC Fed Sim - AV-8B 2F150A/B/C/ D/E WST Tech/Visual Upgrades ^{(38)(†)}	A		-	-	-	-	-	-	-	-	4,612K	1	4.612	-	-	-	4,612K	1	4.612	
1.41) USMC Fed Sim - AV-8B Maintenance Trainer Upgrades ^(†)	A		921,250.00	4	3.685	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Navy																Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1					P-1 Line Item Number / Title: 0705 / Common Ground Equipment						Aggregated Items Title: OTHER FLIGHT TRAINING									
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)
1.42) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer ^(†)	A		-	-	-	1,575K	3	4.725	1,575K	7	11.024	-	-	-	-	-	-	-	-	
1.43) USMC Fed Sim - VH-3/60 Upgrades ^{(39)(†)}	A		909,000.00	1	0.909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.44) USMC Fed Sim - VH-3/60 APT Visual Database Upgrades ^(†)	A		995,000.00	1	0.995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.46) USMC Fed Sim - USMC Training Continuum Integration Upgrades	A		140,500.00	2	0.281	-	-	0.145	-	-	-	-	-	-	-	-	-	-	-	
1.47) USMC Fed Sim - CH-53E TCI Basic Training Courseware Upgrades ^(†)	A		-	-	-	279,000.00	1	0.279	-	-	-	-	-	-	-	-	-	-	-	
1.48) E-2/C-2 - E2 Weapons Systems Trainer (WST) Tech Upgrades ^(†)	A		-	-	-	-	-	-	-	-	-	1,673K	2	3.346	-	-	-	1,673K	2	3.346
1.49) E-2/C-2 - C2 Operational Flight Trainer (OFT) Tech Upgrades ^{(40)(†)}	A		5,975K	1	5.975	-	-	-	3,465K	1	3.465	-	-	-	-	-	-	-	-	
1.50) E-2/C-2 - Enhanced Distributed Readiness Trainer (EDRT) Tech Upgrades ^(†)	A		136,250.00	4	0.545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.53) MH-53 - Air Mine Countermeasure Stream & Recovery Mod (ASRM) Upgrades ^(†)	A		807,500.00	2	1.615	-	-	-	-	-	-	350,000.00	1	0.350	-	-	-	350,000.00	1	0.350
1.54) MH-53 - 2H165 Air Mine Countermeasure (AVCM) Config Trainer Upgrades ^(†)	A		1,033K	1	1.033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.55) MH-53 - 2H165 Cargo Trainer Upgrades ^(†)	A		632,000.00	1	0.632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.56) MH-53 - 2F141 Operational	A		-	-	-	-	-	-	628,000.00	1	0.628	234,000.00	1	0.234	-	-	-	234,000.00	1	0.234

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** OTHER FLIGHT TRAINING

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)
Flight Trainer (OFT) Upgrades ^(†)																				
1.57) MH-53 - 2H162 Enhanced Aircrew External Trainer Upgrades ^(†)	A		662,000.00	1	0.662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.58) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades ^(†)	A		375,000.00	3	1.125	-	-	-	375,000.00	2	0.750	375,000.00	2	0.750	-	-	-	375,000.00	2	0.750
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) ^(†)	A		12,969K	1	12.969	6,239K	1	6.239	6,046K	2	12.093	-	-	-	-	-	-	-	-	
1.61) NASMP - H-60S Technology Refresh Upgrades ^{(41)(†)}	A		22,925K	1	22.925	-	-	-	-	-	-	5,821K	1	5.821	-	-	-	5,821K	1	5.821
1.62) NASMP - H-60R Technology Refresh Upgrades ^{(42)(†)}	A		11,717K	1	11.717	-	-	-	15,464K	1	15.464	-	-	-	-	-	-	-	-	
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS) ^(†)	A		9,720K	2	19.440	8,132K	1	8.132	-	-	-	8,132K	1	8.132	-	-	-	8,132K	1	8.132
1.65) NASMP - MH-60 Threat Attributes Production (JSAF)	A		798,000.00	1	0.798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.66) NASMP - FA/EA-18 - System Fidelity Upgrades (TECR) ^{(43)(†)}	A		15,434K	1	15.434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.67) NASMP - FA/EA-18 NGTS v3.2 Upgrades ^(†)	A		-	-	-	-	-	-	-	-	-	2,000K	1	2.000	-	-	-	2,000K	1	2.000
1.68) NASMP - FA/EA-18 Visual Display Upgrades ^{(44)(†)}	A		1,367K	11	15.036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.71) NASMP - FA/EA-18 Seat Upgrades ^{(45)(†)}	A		-	-	-	1,085K	10	10.847	1,085K	2	2.170	982,500.00	8	7.860	-	-	-	982,500.00	8	7.860
1.72) NASMP - FA/EA-18 Blue Forces Visual Data Base (VDB) Upgrades ^(†)	A		-	-	-	-	-	-	1,400K	1	1.400	-	-	-	-	-	-	-	-	

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** OTHER FLIGHT TRAINING

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)
1.73) NASMP - FA/EA-18 Threat Visual Data Base (VDB) Upgrades ^(†)	A		-	-	-	-	-	-	-	-	4,000K	1	4.000	-	-	-	4,000K	1	4.000	
1.75) NASMP - FA/EA-18 Airborne Electronic Attack (AEA) Model Upgrades ^{(46)(†)}	A		-	-	-	-	-	5,778K	1	5.778	-	-	-	-	-	-	-	-	-	
1.76) NASMP - FA/EA-18 APG-79 Upgrades ^(†)	A		-	-	-	-	-	-	-	-	4,000K	1	4.000	-	-	-	4,000K	1	4.000	
1.78) NASMP - FA/EA-18 SAN Disk Upgrades ^{(47)(†)}	A		569,695.65	23	13.103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.79) NASMP - FA/EA-18 Cockpit HW Upgrades ^(†)	A		-	-	-	-	-	-	-	-	308,217.39	23	7.089	-	-	-	308,217.39	23	7.089	
1.81) NASMP - FA/EA-18 NASMP 1.4 / Fleet Synthetic Training (FST) Upgrades ^(†)	A		-	-	-	-	-	2,294K	1	2.294	-	-	-	-	-	-	-	-	-	
1.82) NASMP - FA/EA-18 Malfunctions Fidelity Upgrades ^(†)	A		-	-	-	-	-	-	-	-	2,000K	1	2.000	-	-	-	2,000K	1	2.000	
1.83) NASMP - FA/EA-18 Aural Cueing HW Upgrades ^{(48)(†)}	A		-	-	-	347,826.09	23	8.000	-	-	-	-	-	-	-	-	-	-	-	
1.84) NASMP - FA/EA-18 MIDS Fidelity Upgrades ^(†)	A		-	-	-	-	-	-	-	-	3,000K	1	3.000	-	-	-	3,000K	1	3.000	
1.86) NASMP - FA/EA-18 Next Generation Threat System (NGTS) V3.2 Upgrades ^{(49)(†)}	A		-	-	-	-	-	6,000K	1	6.000	-	-	-	-	-	-	-	-	-	
1.87) NASMP - FA/EA-18 Windows 7 Upgrades ^(†)	A		1,499K	1	1.499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.88) NASMP - FA/EA-18 - TOFT Mission Upgrades ^(†)	A		-	-	-	-	-	3,000K	1	3.000	-	-	-	-	-	-	-	-	-	
1.89) NASMP - Common Acoustic	A		-	-	-	-	-	15,400K	1	15.400	-	-	-	-	-	-	-	-	-	

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** OTHER FLIGHT TRAINING

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)
Simulation Environment (CASE) Upgrades ^{(50)(†)}																				
1.99) LVC - FA-18 OFP Training System Upgrades ^{(51)(†)}	A		-	-	-	-	-	3,846K	1	3.846	11,779K	1	11.779	-	-	-	11,779K	1	11.779	
1.100) LVC - Next Generation Threat System Upgrades ^(†)	A		-	-	-	-	-	2,148K	1	2.148	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Hardware			-	-	225.409	-	-	101.364	-	129.089	-	-	127.314	-	-	-	-	-	-	127.314
2) ILS																				
2.1) CNATRA ⁽⁵²⁾	A		-	-	0.638	-	-	-	-	0.905	-	-	1.011	-	-	-	-	-	-	1.011
2.2) E-6 ⁽⁵³⁾	A		-	-	0.341	-	-	0.038	-	0.097	-	-	0.057	-	-	-	-	-	-	0.057
2.3) EP-3	A		-	-	0.151	-	-	0.058	-	0.144	-	-	-	-	-	-	-	-	-	-
2.4) FA-18	A		-	-	0.805	-	-	0.083	-	0.088	-	-	0.093	-	-	-	-	-	-	0.093
2.5) P-3C	A		-	-	0.242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) UMFO Training	A		-	-	0.675	-	-	0.420	-	-	-	-	-	-	-	-	-	-	-	-
2.7) USMC Federation Simulators	A		-	-	7.501	-	-	1.718	-	1.728	-	-	1.666	-	-	-	-	-	-	1.666
2.8) E-2/C-2	A		-	-	0.760	-	-	-	-	0.198	-	-	0.125	-	-	-	-	-	-	0.125
2.9) MH-53	A		-	-	0.757	-	-	-	-	0.158	-	-	0.160	-	-	-	-	-	-	0.160
2.10) NASMP	A		-	-	4.994	-	-	1.996	-	2.079	-	-	1.819	-	-	-	-	-	-	1.819
2.11) LVC	A		-	-	-	-	-	-	-	0.046	-	-	0.196	-	-	-	-	-	-	0.196
Subtotal: 2) ILS			-	-	16.864	-	-	4.313	-	5.443	-	-	5.127	-	-	-	-	-	-	5.127
3) Production Engineering																				
3.1) CNATRA	A		-	-	2.515	-	-	-	-	2.634	-	-	1.728	-	-	-	-	-	-	1.728
3.2) E-6	A		-	-	1.644	-	-	0.428	-	0.471	-	-	0.386	-	-	-	-	-	-	0.386
3.3) EP-3	A		-	-	0.610	-	-	0.154	-	0.149	-	-	-	-	-	-	-	-	-	-
3.4) FA-18	A		-	-	9.803	-	-	1.954	-	2.325	-	-	2.294	-	-	-	-	-	-	2.294
3.5) P-3C	A		-	-	0.666	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) UMFO Training	A		-	-	3.706	-	-	0.841	-	-	-	-	-	-	-	-	-	-	-	-
3.7) USMC Federation Simulators	A		-	-	24.499	-	-	5.541	-	3.979	-	-	3.255	-	-	-	-	-	-	3.255
3.8) E-2/C-2	A		-	-	1.843	-	-	-	-	0.227	-	-	0.237	-	-	-	-	-	-	0.237
3.9) MH-53	A		-	-	1.343	-	-	-	-	0.304	-	-	0.289	-	-	-	-	-	-	0.289
3.10) NASMP	A		-	-	49.404	-	-	13.745	-	11.446	-	-	11.537	-	-	-	-	-	-	11.537
3.11) LVC	A		-	-	-	-	-	-	-	1.192	-	-	1.423	-	-	-	-	-	-	1.423
Subtotal: 3) Production Engineering			-	-	96.033	-	-	22.663	-	22.727	-	-	21.149	-	-	-	-	-	-	21.149
4) Acceptance Testing																				

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items Title:** OTHER FLIGHT TRAINING

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)
4.1) CNATRA	A		-	-	0.279	-	-	-	-	-	0.452	-	-	0.505	-	-	-	-	-	0.505
4.2) E-6	A		-	-	0.089	-	-	0.020	-	-	0.071	-	-	0.039	-	-	-	-	-	0.039
4.3) EP-3	A		-	-	0.107	-	-	0.030	-	-	0.102	-	-	-	-	-	-	-	-	-
4.4) P-3C	A		-	-	0.394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.5) UMFO Training	A		-	-	0.183	-	-	0.210	-	-	-	-	-	-	-	-	-	-	-	-
4.6) USMC Federation Simulators	A		-	-	1.152	-	-	0.410	-	-	0.387	-	-	0.392	-	-	-	-	-	0.392
4.7) NASMP	A		-	-	3.778	-	-	1.383	-	-	1.698	-	-	1.476	-	-	-	-	-	1.476
4.8) LVC	A		-	-	-	-	-	-	-	-	0.514	-	-	0.535	-	-	-	-	-	0.535
Subtotal: 4) Acceptance Testing			-	-	5.982	-	-	2.053	-	-	3.224	-	-	2.947	-	-	-	-	-	2.947
5) Production Support																				
5.1) CNATRA	A		-	-	1.235	-	-	-	-	-	1.161	-	-	1.517	-	-	-	-	-	1.517
5.2) E-6	A		-	-	0.585	-	-	0.307	-	-	0.561	-	-	0.281	-	-	-	-	-	0.281
5.3) EP-3	A		-	-	1.204	-	-	0.281	-	-	0.502	-	-	-	-	-	-	-	-	-
5.4) FA-18	A		-	-	1.887	-	-	0.166	-	-	0.157	-	-	0.180	-	-	-	-	-	0.180
5.5) P-3C	A		-	-	1.255	-	-	0.721	-	-	-	-	-	-	-	-	-	-	-	-
5.6) UMFO Training	A		-	-	1.779	-	-	0.631	-	-	-	-	-	-	-	-	-	-	-	-
5.7) E-2/C-2	A		-	-	0.727	-	-	-	-	-	0.091	-	-	0.099	-	-	-	-	-	0.099
5.8) MH-53	A		-	-	0.785	-	-	-	-	-	0.171	-	-	0.174	-	-	-	-	-	0.174
5.9) USMC Federation Simulators	A		-	-	18.298	-	-	5.105	-	-	4.211	-	-	4.226	-	-	-	-	-	4.226
5.10) NASMP	A		-	-	29.251	-	-	9.263	-	-	8.827	-	-	9.371	-	-	-	-	-	9.371
5.11) LVC	A		-	-	-	-	-	-	-	-	0.558	-	-	0.565	-	-	-	-	-	0.565
Subtotal: 5) Production Support			-	-	57.006	-	-	16.474	-	-	16.239	-	-	16.413	-	-	-	-	-	16.413
Total			-	-	401.294	-	-	146.867	-	-	176.722	-	-	172.950	-	-	-	-	-	172.950

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 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items Title: OTHER FLIGHT TRAINING

Footnotes:

- (22) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (23) Renaming: CNATRA - T-6 Windows 7 Upgrades to CNATRA - T-6 Win 10 Upgrades. MIPR to AF as the Program Manager with Army PEO STRI acting as Contracting Officer located at NAWCTSD.
- (24) Renaming: CNATRA - T-45 2F138E Windows 7 Upgrades to CNATRA - T-45 Win 10 Image Gen Sys Servers Upgrades
- (25) Renaming: CNATRA - T-45 UMFO/VMTS 2F205A Windows 7 Upgrades to CNATRA - T-45 Win 10 IOS Computer Upgrades
- (26) Renaming: CNATRA - T-45 4E18 Windows 7 Upgrades to CNATRA - T-45 Win 10 Aural Cues Computers Upgrades
- (27) Renaming: UMFO Training - 2B47 Windows 10 Upgrade to CNATRA - T-45 UMFO - Win 10 Aural Cues Computers Upgrades
- (28) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (29) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (30) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (31) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (32) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (33) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (34) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (35) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (36) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (37) Renaming: USMC Fed Sim - MV-22 Flight Simulators Tech/Visual Upgrades to USMC Fed Sim - MV-22 CFTD Tech/Visual Upgrades Upgrades do not increase inventory, thus no P20/P21 information is provided
- (38) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (39) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (40) Upgrades do not increase inventory, thus no P20/P21 information is provided. For the C-2 trainer, the FY14 funds will fund the basic contract and the FY16 funds will also fund options exercised at the time of the basic award.
- (41) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (42) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (43) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (44) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (45) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (46) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (47) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (48) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (49) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (50) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (51) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (52) FY17 CNATRA costs will fund delivery support through FY19.
- (53) FY16 increased support costs are in support of government efforts for the Windows 7 Upgrades

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: OTHER FLIGHT TRAINING				
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) Hardware												
1.1) CNATRA - T-45 Operational Flight Trainer (OFT) Upgrades ⁽²²⁾		2014	ASL / Tampa, FL	C / FFP	NAWCTSD	Oct 2015	Dec 2018	1	12,354K	Y		Apr 2015
1.1) CNATRA - T-45 Operational Flight Trainer (OFT) Upgrades ⁽²²⁾		2017	ASI / Tampa, FL	C / FFP	NAWCTSD	Dec 2016	Sep 2019	1	4,323K	Y		Apr 2015
1.3) CNATRA - T-6 Win 10 Upgrades ⁽²³⁾		2016	Flight Safety Int. / Centennial, CO	MIPR	NAWCTSD	May 2016	May 2017	1	11,900K	Y		Jan 2016
1.4) CNATRA - T-6 IOS Joystick & Throttle Mod Upgrades		2016 ⁽⁵⁴⁾	Flight Safety Int. / Centennial, CO	MIPR	NAWCTSD	Feb 2016	May 2016	1	11,000.00	Y		Oct 2015
1.5) CNATRA- T-45 Win 10 Image Gen Sys Servers Upgrades ⁽²⁴⁾		2016	Aechelon / San Francisco, CA	SS / FFP	NAWCTSD	Apr 2016	Nov 2017	1	3,041K	Y		Feb 2016
1.6) CNATRA - T-45 Win 10 Instructor Operator Station Computer Upgrades ⁽²⁵⁾		2016	TBD / TBD	TBD	NAWCTSD	Jul 2016	Nov 2017	1	1,643K	Y		Mar 2016
1.7) CNATRA - T-45 Win 10 Aural Cues Computers Upgrades ⁽²⁶⁾		2016	TBD / TBD	TBD	NAWCTSD	Jul 2016	Nov 2017	1	434,000.00	Y		Mar 2016
1.8) CNATRA - T-45 UMFO - Win 10 Aural Cues Computers Upgrades ⁽²⁷⁾		2016	Simphonics / Pensacola, FL	SS / FFP	NAWCTSD	Feb 2016	Jun 2016	1	462,000.00	Y		Dec 2015
1.9) CNATRA - T-45 Win 10 Virtual IO SW Upgrades		2016	National Instruments / Austin, TX	SS / FFP	NAWCTSD	Apr 2016	Nov 2017	1	57,000.00	Y		Mar 2016
1.10) E-6 - Interactive Avionic Trainer Rehost		2015	Triton JV, LLC / Orlando, FL	C / FFP	NAWCTSD	May 2015	Mar 2016	1	1,754K	Y		Feb 2015
1.10) E-6 - Interactive Avionic Trainer Rehost		2016	Triton JV, LLC / Orlando, FL	C / FFP	NAWCTSD	Apr 2016	Apr 2017	1	2,061K	Y		Feb 2015
1.10) E-6 - Interactive Avionic Trainer Rehost		2017	Triton JV, LLC / Orlando, FL	C / FFP	NAWCTSD	Apr 2017	Apr 2018	1	2,008K	Y		Feb 2015
1.12) E-6 - Windows 7 Upgrades		2016	Fidelity / Tinker, OK	C / FFP	NAWCTSD	Mar 2016	Mar 2017	12	48,166.67	Y		Jan 2016
1.13) EP-3 - 10H1 Device Upgrades		2013	CACI / Beavercreek, OH	SS / CPFF	NSMA	Dec 2014	Mar 2016	1	1,467K	Y		Sep 2014
1.13) EP-3 - 10H1 Device Upgrades		2014	CACI / Beavercreek, OH	SS / CPFF	NSMA	Oct 2015	Sep 2017	1	636,000.00	Y		Jul 2015
1.13) EP-3 - 10H1 Device Upgrades		2015	CACI / Beavercreek, OH	SS / CPFF	NSMA	Oct 2015	Sep 2017	1	3,021K	Y		Jul 2015
1.13) EP-3 - 10H1 Device Upgrades		2016	CACI / Beavercreek, OH	SS / CPFF	NSMA	Oct 2015	Sep 2017	1	339,000.00	Y		Jul 2015
1.14) FA-18 - Equipment Modernization		2014	L3 Communications / Arlington, VA	SS / FFP	NAWCTSD	Mar 2015	Jan 2017	1	6,534K	Y		Nov 2014

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: OTHER FLIGHT TRAINING
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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
1.14) FA-18 - Equipment Modernization		2015	L3 Communications / Arlington, VA	SS / FFP	NAWCTSD	Apr 2015	Apr 2016	1	4,508K	Y		Dec 2014
1.14) FA-18 - Equipment Modernization		2016	L3 Communications / Arlington, VA	SS / FFP	NAWCTSD	Apr 2016	Apr 2017	1	3,935K	Y		Dec 2015
1.14) FA-18 - Equipment Modernization		2017	L3 Communications / Arlington, VA	SS / FFP	NAWCTSD	Apr 2017	Apr 2018	1	3,649K	Y		Dec 2016
1.15) P-3C - 2F179A TORT Windows 7 Upgrades		2014	NAWCTSD / Orlando, FL	PO	NAWCTSD	Nov 2014	Sep 2015	3	218,666.67	Y		
1.15) P-3C - 2F179A TORT Windows 7 Upgrades		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Jul 2015	Jan 2016	1	150,000.00	Y		
1.16) P-3C - 14B59 FDT Windows 7 Upgrades		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Jul 2015	Apr 2016	2	150,000.00	Y		
1.17) P-3C - 2F87 OFT Tech Refresh		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Oct 2015	Aug 2017	2	462,000.00	Y		
1.18) P-3C - 2F179A TORT Tech Refresh		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Aug 2015	Sep 2017	2	504,500.00	Y		
1.19) UMFO Training - MCS Block 1B		2015	CAE / Tampa, FL	SS / FFP	NAWCTSD	Jul 2015	Jan 2017	2	1,932K	Y		Mar 2015
1.20) USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Tech Upgrades		2015	Veraxx / Chantilly, VA	SS / FFP	NAWCTSD	Jun 2015	Jun 2017	1	4,901K	Y		Feb 2015
1.22) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD) ^(†)		2014	TBD / TBD	C / FFP	NAWCTSD	Jul 2016	Jan 2020	1	10,602K	Y		Oct 2015
1.22) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD) ^(†)		2015	TBD / TBD	C / FFP	NAWCTSD	Jul 2016	Mar 2019	3	10,602K	Y		Oct 2015
1.23) USMC Fed Sim - MCAT GFE UH-1Y Weapons Mounts		2015	NSWC CRANE / IN	PO	NSWC CRANE	Jan 2016	Jan 2017	8	217,375.00	Y		
1.24) USMC Fed Sim - MCAT GFE CH-53 Weapons Mounts		2015	FN Herstal / Leige Belgium	SS / FFP	Navair	Jul 2015	Dec 2016	8	163,250.00	Y		May 2015
1.25) USMC Fed Sim - MCAT GFE MV-22 Weapons Mounts		2015	NSWC CRANE / IN	PO	NSWC CRANE	Jan 2016	Jan 2017	8	69,250.00	Y		
1.26) USMC Fed Sim - CH-53E CFTD Upgrades ⁽²⁹⁾		2017	TBD / TBD	C / FFP	NAWCTSD	Mar 2017	Mar 2019	1	6,821K	Y		Nov 2016
1.27) USMC Fed Sim - CH-53E Aircrew Procedure Trnr 2F190-2/2F190-1 Upgrades ⁽³⁰⁾		2013	Veraxx / Chantilly, VA	C / FFP	NAWCTSD	Mar 2015	Mar 2017	1	4,624K	Y		Nov 2014

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: OTHER FLIGHT TRAINING				
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
1.27) USMC Fed Sim - CH-53E Aircrew Procedure Trnr 2F190-2/2F190-1 Upgrades (30)		2014	Veraxx / Chantilly,VA	C / FFP	NAWCTSD	Mar 2015	Jun 2017	1	3,992K	Y		Nov 2014
1.28) USMC Fed Sim - CH-53E APT 2F171 Upgrades		2017	TBD / TBD	C / FFP	NAWCTSD	Mar 2017	Mar 2019	1	3,294K	Y		Nov 2016
1.29) USMC Fed Sim - CH-53E 2F174-1&2 Weapon Sys Trnr (WST) Visual Upgrades (31)		2014	Veraxx / Chantilly,VA	C / FFP	NAWCTSD	Mar 2015	Mar 2017	1	6,372K	Y		Nov 2014
1.29) USMC Fed Sim - CH-53E 2F174-1&2 Weapon Sys Trnr (WST) Visual Upgrades (31)		2015	Veraxx / Chantilly,VA	C / FFP	NAWCTSD	Mar 2015	Jun 2017	1	4,339K	Y		Nov 2014
1.31) USMC Fed Sim - KC-130J Motion and Visual System Upgrades (33)		2016	Lockheed Martin / Orlando, FL	MIPR	USAF MATL CMD	Mar 2016	Sep 2017	1	19,168K	Y		Jun 2015
1.36) USMC Fed Sim - MV-22 CFTD Tech/Visual Upgrades (37)		2017	TBD / TBD	C / FFP	NAWCTSD	Mar 2017	Mar 2019	4	5,794K	Y		Nov 2016
1.38) USMC Fed Sim - FA-18 TOFT 16/28/30/31/32/33/34/35/36/ 37/38/40 Upgrades		2017	TBD / TBD	C / FFP	NAWCTSD	Mar 2017	Mar 2019	6	3,178K	Y		Nov 2016
1.39) USMC Fed Sim - FA-18 TOFT (Japan) Upgrades		2015	TBD / TBD	C / FFP	NAWCTSD	Feb 2016	Jun 2017	2	1,411K	Y		Dec 2015
1.40) USMC Fed Sim - AV-8B 2F150A/B/C/D/E WST Tech/Visual Upgrades (38)		2017	TBD / TBD	C / FFP	NAWCTSD	Dec 2016	Dec 2018	1	4,612K	Y		Mar 2016
1.41) USMC Fed Sim - AV-8B Maintenance Trainer Upgrades		2013	Cymstar LLC / Broken Arrow, OK	C / FFP	NAWCTSD	Sep 2014	Nov 2015	4	921,250.00	Y		Feb 2014
1.42) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer(†)		2015	TBD / TBD	C / FFP	NAWCTSD	Aug 2016	Aug 2017	3	1,575K	Y		Feb 2016
1.42) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer(†)		2016	TBD / TBD	C / FFP	NAWCTSD	Aug 2016	Dec 2017	7	1,575K	Y		Feb 2016
1.43) USMC Fed Sim - VH-3/60 Upgrades (39)		2014	J.F. Taylor Inc / Lexington Park, MD	C / FFP	NAWCTSD	Nov 2014	Feb 2016	1	909,000.00	Y		Jul 2014
1.44) USMC Fed Sim - VH-3/60 APT Visual Database Upgrades		2014	NAWCAD / Patuxent River, MD	PO	NAWCAD PAX	Apr 2014	Feb 2017	1	995,000.00	Y		
1.47) USMC Fed Sim - CH-53E TCI Basic Training Courseware Upgrades		2015	Organizational Strategies, INC / Arlington, VA	SS / FFP	NAWCAD LKE	Feb 2015	Mar 2016	1	279,000.00	Y		Jan 2015

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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
1.48) E-2/C-2 - E2 Weapons Systems Trainer (WST) Tech Upgrades		2017	TBD / TBD	MIPR	DTIC	Dec 2016	Dec 2017	2	1,673K	N	Jun 2016	Jun 2016
1.49) E-2/C-2 - C2 Operational Flight Trainer (OFT) Tech Upgrades ⁽⁴⁰⁾		2014	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Mar 2018	1	5,975K	Y		Nov 2015
1.49) E-2/C-2 - C2 Operational Flight Trainer (OFT) Tech Upgrades ⁽⁴⁰⁾		2016	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Mar 2018	1	3,465K	Y		Nov 2015
1.50) E-2/C-2 - Enhanced Distributed Readiness Trainer (EDRT) Tech Upgrades		2011	NAWCAD / Patuxent River, MD	PO	NAWCAD PAX	Aug 2012	Oct 2015	4	136,250.00	Y		
1.53) MH-53 - Air Mine Countermeasure Stream & Recovery Mod (ASRM) Upgrades		2011	NSWC PCD / Panama City, FL	PO	NAWCTSD	Jan 2013	Oct 2016	1	1,380K	Y		
1.53) MH-53 - Air Mine Countermeasure Stream & Recovery Mod (ASRM) Upgrades		2014	NSWC PCD / Panama City, FL	PO	NAWCTSD	Jun 2014	Oct 2016	1	235,000.00	Y		
1.53) MH-53 - Air Mine Countermeasure Stream & Recovery Mod (ASRM) Upgrades		2017	TBD / TBD	TBD	NAWCTSD	Feb 2017	Feb 2018	1	350,000.00	Y		Dec 2016
1.54) MH-53 - 2H165 Air Mine Countermeasure (AVCM) Config Trainer Upgrades		2012	NSWC PCD / Panama City, FL	PO	NAWCTSD	Apr 2013	Mar 2016	1	1,033K	Y		
1.55) MH-53 - 2H165 Cargo Trainer Upgrades		2013	NSWC PCD / Panama City, FL	PO	NAWCTSD	Apr 2013	Mar 2016	1	632,000.00	Y		
1.56) MH-53 - 2F141 Operational Flight Trainer (OFT) Upgrades		2016	TBD / TBD	TBD	NAWCTSD	Apr 2016	Apr 2017	1	628,000.00	Y		Dec 2015
1.56) MH-53 - 2F141 Operational Flight Trainer (OFT) Upgrades		2017	TBD / TBD	TBD	NAWCTSD	Feb 2017	Feb 2018	1	234,000.00	Y		Dec 2016
1.57) MH-53 - 2H162 Enhanced Aircrew External Trainer Upgrades		2012	Pathfinder Systems, Inc. / Arvada, CO	C / FFP	NAWCTSD	Jan 2014	Feb 2016	1	662,000.00	Y		Nov 2013
1.58) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades		2013	NWDC / Norfolk, VA	MIPR	DTIC	Aug 2015	Dec 2015	3	375,000.00	Y		
1.58) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades		2016	NWDC (1) / Norfolk, VA	MIPR	DTIC	Apr 2016	Apr 2017	2	375,000.00	Y		
1.58) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades		2017	NWDC (1) / Norfolk, VA	MIPR	DTIC	Jan 2017	Jan 2018	2	375,000.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: OTHER FLIGHT TRAINING				
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
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) ^(†)		2013	BSC Partners / Binghampton, NY	SS / FFP	NAWCTSD	Nov 2013	Apr 2016	1	12,969K	Y		Nov 2013
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) ^(†)		2015	BSC Partners / Binghampton, NY	SS / FFP	NAWCTSD	Dec 2014	Jan 2017	1	6,239K	Y		
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) ^(†)		2016	BSC Partners / Binghampton, NY	SS / FFP	NAWCTSD	Feb 2016	Jun 2017	2	6,046K	Y		
1.61) NASMP - H-60S Technology Refresh Upgrades ⁽⁴¹⁾		2014	CAE / Tampa, FL	C / FFP	NAWCTSD	Sep 2015	Jul 2017	1	22,925K	Y		Feb 2014
1.61) NASMP - H-60S Technology Refresh Upgrades ⁽⁴¹⁾		2017	CAE / Tampa, FL	C / FFP	NAWCTSD	Jan 2017	Jan 2019	1	5,821K	Y		Feb 2014
1.62) NASMP - H-60R Technology Refresh Upgrades ⁽⁴²⁾		2014	CAE / Tampa, FL	C / FFP	NAWCTSD	Sep 2015	Jul 2017	1	11,717K	Y		Feb 2014
1.62) NASMP - H-60R Technology Refresh Upgrades ⁽⁴²⁾		2016	CAE / Tampa, FL	C / FFP	NAWCTSD	Feb 2016	Dec 2017	1	15,464K	Y		Feb 2014
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS) ^(†)		2013	BCS Partners / Binghampton, NY	SS / FFP	NAWCTSD	Nov 2013	Oct 2015	2	9,720K	Y		Apr 2013
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS) ^(†)		2015	BCS Partners / Binghampton, NY	SS / FFP	NAWCTSD	Dec 2014	Sep 2016	1	8,132K	Y		
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS) ^(†)		2017	BCS Partners / Binghampton, NY	SS / FFP	NAWCTSD	Nov 2016	Aug 2018	1	8,132K	Y		
1.66) NASMP - FA/EA-18 - System Fidelity Upgrades (TECR) ⁽⁴³⁾		2011	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Feb 2012	Feb 2016	1	15,434K	Y		
1.67) NASMP - FA/EA-18 NGTS v3.2 Upgrades		2017	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Mar 2017	Mar 2019	1	2,000K	Y		Jan 2016
1.68) NASMP - FA/EA-18 Visual Display Upgrades ⁽⁴⁴⁾		2013	L3 Link Simulation & Training / Arlington, TX	SS / FFP	NAWCTSD	Jul 2013	Jul 2016	11	1,367K	Y		Apr 2013
1.71) NASMP - FA/EA-18 Seat Upgrades ⁽⁴⁵⁾		2015	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Sep 2015	Dec 2016	10	1,085K	Y		Jun 2015
1.71) NASMP - FA/EA-18 Seat Upgrades ⁽⁴⁵⁾		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Apr 2016	Oct 2017	2	1,085K	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy								Date: February 2016				
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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
1.71) NASMP - FA/EA-18 Seat Upgrades ⁽⁴⁵⁾		2017	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Mar 2017	Sep 2018	8	982,500.00	Y		
1.72) NASMP - FA/EA-18 Blue Forces Visual Data Base (VDB) Upgrades		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jun 2016	Dec 2017	1	1,400K	Y		Mar 2016
1.73) NASMP - FA/EA-18 Threat Visual Data Base (VDB) Upgrades		2017	L-3 Link Simulation & Training / Arlington, TX	SS / FFP	NAWCTSD	Mar 2017	Mar 2018	1	4,000K	N	Sep 2016	Dec 2016
1.75) NASMP - FA/EA-18 Airborne Electronic Attack (AEA) Model Upgrades ⁽⁴⁶⁾		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jun 2016	Dec 2017	1	5,778K	Y		Mar 2016
1.76) NASMP - FA/EA-18 APG-79 Upgrades		2017	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Mar 2017	Mar 2019	1	4,000K	N	Sep 2016	Dec 2016
1.78) NASMP - FA/EA-18 SAN Disk Upgrades ⁽⁴⁷⁾		2014	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jul 2014	Jun 2016	23	569,695.65	Y		Apr 2014
1.79) NASMP - FA/EA-18 Cockpit HW Upgrades		2017	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Mar 2017	Mar 2019	23	308,217.39	N	Sep 2016	Dec 2016
1.81) NASMP - FA/EA-18 NASMP 1.4 / Fleet Synthetic Training (FST) Upgrades		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jun 2016	Dec 2017	1	2,294K	Y		Mar 2016
1.82) NASMP - FA/EA-18 Malfunctions Fidelity Upgrades		2017	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Mar 2017	Sep 2018	1	2,000K	Y		Dec 2016
1.83) NASMP - FA/EA-18 Aural Cueing HW Upgrades ⁽⁴⁸⁾		2015	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Sep 2015	Dec 2017	23	347,826.09	Y		Jun 2015
1.84) NASMP - FA/EA-18 MIDS Fidelity Upgrades		2017	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Mar 2017	Mar 2019	1	3,000K	Y		Dec 2016
1.86) NASMP - FA/EA-18 Next Generation Threat System (NGTS) V3.2 Upgrades ⁽⁴⁹⁾		2016	NAWCAD / Patuxent River, MD	PO	NAWCAD PAX	Mar 2016	Jul 2017	1	6,000K	Y		Mar 2016
1.87) NASMP - FA/EA-18 Windows 7 Upgrades		2012	L3 Link Simulation & Training / Arlington, TX	SS / FFP	NAWCTSD	Jun 2013	Aug 2016	1	1,499K	Y		Mar 2013
1.88) NASMP - FA/EA-18 - TOFT Mission Upgrades		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jun 2016	Dec 2017	1	3,000K	Y		Mar 2016
1.89) NASMP - Common Acoustic Simulation Environment (CASE) Upgrades ⁽⁵⁰⁾		2016	AAC Inc. / Hauppauge, NY	SS / FFP	NAWCTSD	May 2016	May 2018	1	15,400K	Y		Feb 2016
1.99) LVC - FA-18 OFP Training System Upgrades ⁽⁵¹⁾		2016	Boeing Co. / St. Louis, MO	SS / CPFF	NAWCWD	May 2016	Nov 2017	1	3,846K	Y		Mar 2015
1.99) LVC - FA-18 OFP Training System Upgrades ⁽⁵¹⁾		2017	Boeing Co. / St. Louis, MO	SS / CPFF	NAWCWD	Mar 2017	Feb 2020	1	11,779K	Y		

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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
1.100) LVC - Next Generation Threat System Upgrades		2016	NAWCAD / Patuxent River, MD	PO	NAWCAD PAX	Mar 2016	Jun 2018	1	2,148K	Y		

^(†) indicates the presence of a P-21

Footnotes:

⁽⁵⁴⁾ MIPR to AF as the Program Manager with Army PEO STRI acting as Contracting Officer located at NAWCTSD.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** OTHER FLIGHT TRAINING

Items <i>(Units in Each)</i>						Fiscal Year 2012												Fiscal Year 2013												BALANCE	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012												Calendar Year 2013												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
1) Hardware																															
1.22) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																															
18	2014	NAVY		1	-	1																						1			
18	2015	NAVY		3	-	3																						3			
1.42) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer																															
19	2015	NAVY		3	-	3																						3			
19	2016	NAVY		7	-	7																						7			
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																															
20	2013	NAVY		1	-	1																						1			
21	2015	NAVY		1	-	1																						1			
22	2016	NAVY		2	-	2																						2			
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																															
23	2013	NAVY		2	-	2																						2			
23	2015	NAVY		1	-	1																						1			
23	2017	NAVY		1	-	1																						1			

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: OTHER FLIGHT TRAINING
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Items <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015												BALANCE	
O C O #	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) Hardware																															
1.22) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																															
18	2014	NAVY		1	-	1																						1			
18	2015	NAVY		3	-	3																						3			
1.42) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer																															
19	2015	NAVY		3	-	3																						3			
19	2016	NAVY		7	-	7																						7			
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																															
20	2013	NAVY		1	-	1	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
21	2015	NAVY		1	-	1																						1			
22	2016	NAVY		2	-	2																						2			
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																															
23	2013	NAVY		2	-	2	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2			
23	2015	NAVY		1	-	1																						1			
23	2017	NAVY		1	-	1																						1			

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** OTHER FLIGHT TRAINING

Items <i>(Units in Each)</i>					Fiscal Year 2016													Fiscal Year 2017													BALANCE		
O C O #	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) Hardware																																	
1.22) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																																	
18	2014	NAVY		1	-	1																							1				
18	2015	NAVY		3	-	3																							3				
1.42) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer																																	
19	2015	NAVY		3	-	3																							1				
19	2016	NAVY		7	-	7																							7				
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																																	
20	2013	NAVY		1	-	1																							-				
21	2015	NAVY		1	-	1																							-				
22	2016	NAVY		2	-	2																							1				
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																																	
23	2013	NAVY		2	-	2																							-				
23	2015	NAVY		1	-	1																							-				
23	2017	NAVY		1	-	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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** OTHER FLIGHT TRAINING

Items <i>(Units in Each)</i>				Fiscal Year 2018														Fiscal Year 2019												BALANCE			
O C O #	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) Hardware																																	
1.22) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																																	
18		2014	NAVY	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
18		2015	NAVY	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
1.42) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer																																	
19		2015	NAVY	3	2	1	1																							-			
19		2016	NAVY	7	-	7	-	-	1	1	1	1	1	1	1	1														-			
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																																	
20		2013	NAVY	1	1	-																								-			
21		2015	NAVY	1	1	-																								-			
22		2016	NAVY	2	1	1	-	1																						-			
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																																	
23		2013	NAVY	2	2	-																								-			
23		2015	NAVY	1	1	-																								-			
23		2017	NAVY	1	-	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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0705 / Common Ground Equipment **Aggregated Items:** OTHER FLIGHT TRAINING

Items <i>(Units in Each)</i>					Fiscal Year 2020													Fiscal Year 2021													BALANCE		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 9	BAL D U E A S O F 1 O C T	Calendar Year 2020													Calendar Year 2021													
							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) Hardware																																	
1.22) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																																	
18	2014	NAVY		1	-	1	-	-	-	1																			-				
18	2015	NAVY		3	2	1	1																						-				
1.42) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer																																	
19	2015	NAVY		3	3	-																							-				
19	2016	NAVY		7	7	-																							-				
1.59) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																																	
20	2013	NAVY		1	1	-																							-				
21	2015	NAVY		1	1	-																							-				
22	2016	NAVY		2	2	-																							-				
1.63) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																																	
23	2013	NAVY		2	2	-																							-				
23	2015	NAVY		1	1	-																							-				
23	2017	NAVY		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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: OTHER FLIGHT TRAINING
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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 - TBD	1	1	3	-	12	32	44	-	9	42	51
2	TBD - TBD	7	7	7	-	-	12	12	-	-	16	16
3	BSC Partners - Binghampton, NY	1	1	3	-	-	29	29	-	2	27	29
4	BSC Partners - Binghampton, NY	1	1	3	-	-	-	-	-	2	25	27
5	BSC Partners - Binghampton, NY	1	1	3	-	-	-	-	-	2	16	18
6	BCS Partners - Binghampton, NY	1	1	2	-	-	23	23	-	2	21	23

"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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity:
 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 0715 / Aircraft Industrial Facilities
 1: Aircraft Support Equip & Facilities

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 **Item MDAP/MAIS Code(s):** 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>)	1,026.930	24.779	24.953	23.194	0.524	23.718	24.552	24.985	25.460	25.971	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,026.930	24.779	24.953	23.194	0.524	23.718	24.552	24.985	25.460	25.971	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,026.930	24.779	24.953	23.194	0.524	23.718	24.552	24.985	25.460	25.971	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:

Calibration Equipment Description:

The objective of the Metrology/Calibration (METCAL) Program is to maintain required accuracy and consistency in Navy measurements. This ensures the required measurement accuracy of Test and Measurement Systems (TAMS) and Aviation Support Equipment (SE) used to test, repair and maintain Aviation Weapon Systems is adequate. Calibration is an on-cycle maintenance action and can be described as the comparison of a measurement device/system of unverified/unknown accuracy (TAMS or SE) to a device of known and greater accuracy (Calibration Standard).

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

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities

P-1 Line Item Number / Title:
0715 / Aircraft Industrial Facilities

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 **Item MDAP/MAIS Code(s):** 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	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	Aircraft Industrial Facilities	P-5a		- / 1,026.930	- / 24.779	- / 24.953	- / 23.194	- / 0.524	- / 23.718
P-40	Total Gross/Weapon System Cost			- / 1,026.930	- / 24.779	- / 24.953	- / 23.194	- / 0.524	- / 23.718

*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 in Aircraft Industrial Facilities by \$0.781M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

Calibration Equipment:

Funds are used to procure Calibration Standards (CALSTDs) and ancillary equipment for Aviation Fleet Intermediate Calibration Activities, Fleet Training Activities, Aviation Navy Calibration Laboratories (NCLs), and the Navy Primary Standards Laboratory (NPSL). CALSTDs procured for Fleet 'I' level use are to replace obsolete and/or irreparable equipment, expand technical measurement capabilities to decrease Depot support costs, reduce out-of-service turn around times, provide enhanced forward deployed geographic support and reduce/control the Naval Air Systems Command (NAVAIR) cost of ownership associated with Calibration. Fleet 'I' level calibration activities support 70% of the total Fleet calibration workload. Maintenance of Fleet calibration capability through this funding results in the release of more expensive Depot level support man-hours for more complex calibration maintenance and calibrations where economy of scale costs dictate single site or geographic calibration center capability. CALSTDs procured for NCLs and the NPSL allow for the automation and improvement of calibration procedures in order to reduce Fleet asset out-of-service and Turn around Time, expand technical calibration capabilities for enhanced in-theater Fleet support, and replace obsolete and high support cost CALSTDs.

OCO:

Replace five (5) Precision Air Data Calibrators and two (2) Shipboard/Aircraft Tachometer Standards. Calibration Standards (CALSTDs) in Operation Inherent Resolve theater are experiencing increased OPTEMPO resulting in multiple subcomponent failures and are requiring replacement at a higher rate than normal. Cost to overhaul inoperable CALSTDs often exceeds 70% of replacement cost. CALSTDs are precision equipment and the sole method used to ensure accuracy of all Aviation Test, Monitoring and Diagnostic Equipment (TMDE)/Support Equipment (SE) used in quantitative/diagnostic applications.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0715 / Aircraft Industrial Facilities **Aggregated Items Title:** Aircraft Industrial Facilities

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 Industrial Facilities																				
1.1) Automated / Interface CALSTDs (1)(†)	A		24,626.87	536	13.200	2,640.00	111	0.293	2,750.00	118	0.325	2,970.00	125	0.371	-	-	-	2,970.00	125	0.371
1.2) Low Frequency AC/DC CALSTDs(†)	A		139,120.10	766	106.566	10,476.72	451	4.725	10,683.52	455	4.861	10,564.90	416	4.395	-	-	-	10,564.90	416	4.395
1.3) Other CALSTDs Procurement(†)	A		26,186.37	719	18.828	5,890.00	94	0.554	5,920.00	97	0.574	6,110.00	112	0.684	-	-	-	6,110.00	112	0.684
1.4) Physical Dimen / Optical CALSTDs(†)	A		159,393.59	874	139.310	33,354.24	271	9.039	34,517.37	259	8.940	32,331.91	235	7.598	74,857.14	7	0.524	33,561.98	242	8.122
1.5) RF / Microwave CALSTDs(†)	A		126,217.29	856	108.042	12,437.24	478	5.945	12,557.89	475	5.965	12,543.48	460	5.770	-	-	-	12,543.48	460	5.770
1.6) Res / Impedance CALSTDs(†)	A		80,242.80	486	38.998	4,851.43	175	0.849	4,950.00	177	0.876	5,260.00	167	0.878	-	-	-	5,260.00	167	0.878
1.7) Logistics / Engineering Support	A		-	-	43.338	-	-	2.219	-	-	2.217	-	-	2.249	-	-	-	-	-	2.249
1.8) Production / Aquisition	A		-	-	74.916	-	-	1.155	-	-	1.195	-	-	1.249	-	-	-	-	-	1.249
1.9) Divestiture Support	A		-	-	483.732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Aircraft Industrial Facilities			-	-	1,026.930	-	-	24.779	-	-	24.953	-	-	23.194	-	-	0.524	-	-	23.718
Total			-	-	1,026.930	-	-	24.779	-	-	24.953	-	-	23.194	-	-	0.524	-	-	23.718

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) Each Cost Element with a Quantity represents a number of different end items. The Unit Cost is an average cost for all the end items in the Cost element.

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy										Date: February 2016			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0715 / Aircraft Industrial Facilities				Aggregated Items: Aircraft Industrial Facilities					
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 Industrial Facilities													
1.1) Automated / Interface CALSTDs ⁽¹⁾		2014 ⁽²⁾	Various / Various	C / FP	Multiple	Oct 2013	Oct 2013	95	2,590.00	Y			
1.1) Automated / Interface CALSTDs ⁽¹⁾		2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	111	2,640.00	Y			
1.1) Automated / Interface CALSTDs ⁽¹⁾		2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	118	2,750.00	Y			
1.1) Automated / Interface CALSTDs ⁽¹⁾		2017	Various / Various	C / FP	Multiple	Oct 2016	Oct 2016	125	2,970.00	Y			
1.2) Low Frequency AC/DC CALSTDs		2014	Various / Various	C / FP	Multiple	Oct 2013	Oct 2013	248	17,633.06	Y			
1.2) Low Frequency AC/DC CALSTDs		2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	445	10,319.10	Y			
1.2) Low Frequency AC/DC CALSTDs	✓	2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	6	22,166.67	Y			
1.2) Low Frequency AC/DC CALSTDs		2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	449	10,525.61	Y			
1.2) Low Frequency AC/DC CALSTDs	✓	2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	6	22,433.00	Y			
1.2) Low Frequency AC/DC CALSTDs		2017	Various / Various	C / FP	Multiple	Oct 2016	Oct 2016	416	10,564.90	Y			
1.3) Other CALSTDs Procurement		2014	Various / Various	C / FP	Multiple	Oct 2013	Oct 2013	92	5,840.00	Y			
1.3) Other CALSTDs Procurement		2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	94	5,890.00	Y			
1.3) Other CALSTDs Procurement		2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	97	5,920.00	Y			
1.3) Other CALSTDs Procurement		2017	Various / Various	C / FP	Multiple	Oct 2016	Oct 2016	112	6,110.00	Y			
1.4) Physical Dimen / Optical CALSTDs		2014	Various / Various	C / FP	Multiple	Oct 2013	Oct 2013	325	30,366.15	Y			
1.4) Physical Dimen / Optical CALSTDs		2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	258	32,341.09	Y			
1.4) Physical Dimen / Optical CALSTDs	✓	2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	13	53,461.54	Y			
1.4) Physical Dimen / Optical CALSTDs		2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	247	33,364.37	Y			
1.4) Physical Dimen / Optical CALSTDs	✓	2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	12	58,250.00	Y			
1.4) Physical Dimen / Optical CALSTDs		2017	Various / Various	C / FP	Multiple	Oct 2016	Oct 2016	235	32,331.91	Y			

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0715 / Aircraft Industrial Facilities	Aggregated Items: Aircraft Industrial Facilities
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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
1.4) Physical Dimen / Optical CALSTDs	✓	2017	Various / Various	C / FP	Multiple	Oct 2016	Oct 2016	7	74,857.14	Y		
1.5) RF / Microwave CALSTDs		2014	Various / Various	C / FP	Multiple	Oct 2013	Oct 2013	227	20,050.00	Y		
1.5) RF / Microwave CALSTDs		2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	473	12,340.00	Y		
1.5) RF / Microwave CALSTDs	✓	2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	5	21,600.00	Y		
1.5) RF / Microwave CALSTDs		2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	470	12,460.00	Y		
1.5) RF / Microwave CALSTDs	✓	2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	5	21,859.00	Y		
1.5) RF / Microwave CALSTDs		2017	Various / Various	C / FP	Multiple	Oct 2016	Oct 2016	460	12,543.48	Y		
1.6) Res / Impedance CALSTDs		2014	Various / Various	C / FP	Multiple	Oct 2013	Oct 2013	122	2,690.00	Y		
1.6) Res / Impedance CALSTDs		2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	175	4,851.43	Y		
1.6) Res / Impedance CALSTDs		2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	177	4,950.00	Y		
1.6) Res / Impedance CALSTDs		2017	Various / Various	C / FP	Multiple	Oct 2016	Oct 2016	167	5,260.00	Y		

Footnotes:

⁽²⁾ For Cost Elements 1.1 through 1.6: RFP Issue Date: Multiple; Award Date: Multiple; Contractor & Location: Various; Date of First Delivery: Multiple; Revisions Available: N/A

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

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA
1: Aircraft Support Equip & Facilities

P-1 Line Item Number / Title:
0720 / War Consumables

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0204164N, 0204161N **Other Related Program Elements:** 0205633N

Line Item MDAP/MAIS Code: N/A **Item MDAP/MAIS Code(s):** 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>)	845.327	15.939	38.027	40.613	-	40.613	43.277	42.525	43.245	44.115	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	845.327	15.939	38.027	40.613	-	40.613	43.277	42.525	43.245	44.115	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	845.327	15.939	38.027	40.613	-	40.613	43.277	42.525	43.245	44.115	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:

The WAR CONSUMABLES P-1 line item has two subcategories: Common Aircraft Ancillary Equipment (AAE) and Aerial Refueling Stores (ARS). The Common AAE program procures, modifies and upgrades common bomb racks, peculiar bomb racks, missile launchers and related support for USN/USMC platforms. The ARS portion procures, modifies, and upgrades aerial refueling stores, External Fuel Tanks (EFT) and related support.

COMMON AIRCRAFT ANCILLARY EQUIPMENT (AAE)

As directed by OPNAVINST 8000.16B (Naval Ordnance Maintenance Management Program (NOMMP)), the appropriation provides for procurement of new AAE to replace attrition losses, provides for production engineering support and satisfies commonality policy goals set forth by the Navy's Strike Warfare Master Plan. Specifically, the following equipment is funded as AAE within the War Consumables budget:

- Upgrades, modifications and reliability improvements to common and peculiar bomb rack.
- Upgrades, modifications and reliability improvements to various missile launchers and associated equipment that support the following platforms: F/A-18 A-F, EA-18G, AV-8B, P-3C, EA-6B, AH-1W/Z, UH-1N/Y and MH-60R/S.
- Upgrades, modifications and reliability improvements to Pure Air Generating Systems (PAGS). There are two variants of PAGS, Marotta Pure Air Compression Technology (MPACT)/High Pressure Pure Air Generators (HiPPAG), currently in use as on-board coolant generator for missile launchers carrying infrared (IR) seeking missiles.
- Common PAGS Interface Assembly provides electrical connectivity and a conduit for nitrogen flow between the PAGS unit and the missile launcher.
- The BRU-55 is an upgrade to the BRU-33 CVER (Canted Vertical), with electronic upgrades, which allows for the carriage and release of two MIL-STD-1760 weapons from a single F/A-18 A-F station. The BRU-55 was developed by PMA-201 as part of the Mk-82 JDAM program.
- Digital Improved Triple Ejector Rack (DITER) increases the capability of the existing BRU-42 for the AV-8B by adding a smart carriage capability for weapons such as the Joint Direct Attack Munition (JDAM).
- Joint Miniature Munitions Bomb Rack Unit (JMM BRU) (BRU-61A/A) is required for operation and carriage of the Small Diameter Bomb II (SDB II) weapon. The BRU-61/A is currently in production for the USAF, but has not been qualified to DoN environments. BRU-61A/A will be carried on the threshold aircrafts F-35B and F-35C and the objective aircraft F/A-18 E/F for the Department of the Navy. FY18 is the first year of navy procurement of BRU-61A/A to support the SDB II warfighter requirements, Initial Operating Capability (IOC), First Article Acceptance Test (FAAT), and schoolhouse requirements.

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Exhibit P-40, Budget Line Item Justification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		P-1 Line Item Number / Title: 0720 / War Consumables
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0204164N, 0204161N	Other Related Program Elements: 0205633N
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	

AERIAL REFUELING STORES (ARS)

The ARS program finances Aerial Refueling Systems, EFT and related support. Requirements are determined by an inventory objective, which supports peacetime/wartime needs. Aircraft equipped with the A/ A42R-1 Aerial Refueling Stores (ARS) are required for all carrier based tanking missions overhead tanking (primarily recovery focused), strike and yo-yo tanking. Total reliance on the ARS and integration in the F/A-18E/F requires substantial improvements to the existing stores to ensure their viability through 2040. Investigation of major subsystems in pursuit of life cycle cost savings, mitigation of flight safety risk and reliability enhancements have identified a large dollar value return on investment for service life extension, reduction in flight safety risk and areas where reliability improvements can be realized.

- ARS upgrade to the avionics/electrical system
- ARS upgrade to the drogue system
- Replacement of External Fuel Tanks for F/A-18 (A-D variants), required to meet the Fleet Response plan and replace original equipment due to fatigue issues.
- ARS Support Equipment
- External Fuel Tank Support Equipment
- Provides production support, modification, and modernization of ARS and EFT products.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities **P-1 Line Item Number / Title:** 0720 / War Consumables

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0204164N, 0204161N **Other Related Program Elements:** 0205633N

Line Item MDAP/MAIS Code: N/A **Item MDAP/MAIS Code(s):** 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	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	War Consumables	P-5a, P-21		- / 845.327	- / 15.939	- / 38.027	- / 40.613	- / -	- / 40.613
P-40	Total Gross/Weapon System Cost			- / 845.327	- / 15.939	- / 38.027	- / 40.613	- / -	- / 40.613

*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 in War Consumables by \$1.163M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

FY17 Provides funding to procure, modify and/or upgrade bomb racks and missile launchers, BRU-55, ARS and associated support. FY17 procurements support the following platforms: F/A-18 A-F, EA-18G, AV-8B, P-3C, EA-6B, AH-1W/Z, UH-1N/Y and MH-60R/S.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0720 / War Consumables **Aggregated Items Title:** War Consumables

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) Common AAE																				
1.1) Bomb Rack Mod Kits & Install ⁽¹⁾	A		-	-	32.539	-	-	0.483	-	-	1.577	-	-	1.745	-	-	-	-	-	1.745
1.2) Launcher Upgrade & Installation ⁽²⁾	A		-	-	45.909	-	-	2.897	-	-	1.625	-	-	1.789	-	-	-	-	-	1.789
1.3) LAU-7 ^(t)	A		37,398.00	2,000	74.796	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) Pure Air Generating System MPACT	A		18,395.53	1,163	21.394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) High Pressure Pure Air Generator HiPPAG	A		43,672.89	1,608	70.226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) Common Interface Assembly	A		494.29	2,013	0.995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) Rack and Launcher Test Set ⁽³⁾	A		-	-	1.308	-	-	1.417	-	-	-	-	-	-	-	-	-	-	-	-
1.8) External Fuel Tanks	A		52,337.50	1,200	62.805	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) External Fuel Tanks*	A		41,083.33	24	0.986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) External Fuel Tank Support Equipment	A		-	-	3.344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.11) BRU-55 ^{(4)(f)}	A		111,175.56	450	50.029	-	-	-	101,108.33	240	24.266	103,885.06	261	27.114	-	-	-	103,885.06	261	27.114
1.12) Digital ITER ^(f)	B		72,792.45	159	11.574	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.17) ILS	A		-	-	10.559	-	-	1.317	-	-	1.094	-	-	1.115	-	-	-	-	-	1.115
1.18) Product Improvement	A		-	-	36.895	-	-	1.355	-	-	0.930	-	-	0.948	-	-	-	-	-	0.948
1.19) Product Engineering	A		-	-	42.972	-	-	1.457	-	-	1.403	-	-	1.431	-	-	-	-	-	1.431
1.20) Various ⁽⁵⁾	A		-	-	131.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Common AAE			-	-	597.455	-	-	8.926	-	-	30.895	-	-	34.142	-	-	-	-	-	34.142
2) Aerial Refueling Stores																				
2.1) External Fuel Tanks	A		41,084.21	190	7.806	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Aerial Refueling Stores ⁽⁶⁾	A		-	-	62.215	-	-	4.807	-	-	4.889	-	-	4.187	-	-	-	-	-	4.187
2.3) Product Support ⁽⁷⁾	A		-	-	15.891	-	-	2.206	-	-	2.243	-	-	2.284	-	-	-	-	-	2.284
2.4) Various	A		-	-	161.960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0720 / War Consumables	Aggregated Items Title: War Consumables
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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)
Subtotal: 2) Aerial Refueling Stores			-	-	247.872	-	-	7.013	-	-	7.132	-	-	6.471	-	-	-	-	-	6.471
Total			-	-	845.327	-	-	15.939	-	-	38.027	-	-	40.613	-	-	-	-	-	40.613

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) Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. Additionally, any decrease in funding causes increased requirements in the out years to maintain fleet readiness. The fluctuations in requirements and funding forces the budget line to exceed the OSD standard inflation rate.
- (2) Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. Additionally, any decrease in funding causes increased requirements in the out years to maintain fleet readiness. The fluctuations in requirements and funding forces the budget line to exceed the OSD standard inflation rate.
- (3) Realignment of funding in FY 2015 and Prior Years from Bomb Rack Mod Kits & Install (1.1) for actual execution.
- (4) FY17 BRU-55 quantity is derived from the OPNAVINST 8000.16B Naval Ordnance Maintenance Management Program (NOMMP) that provides the fleet's requirements for bomb rack modifications and upgrades. The FY16 and FY17 unit prices are based on an inflated dollar value from the FY13/14 procurement and also include the price of the government furnished material (GFM); which is not included in the previous contract award.
- (5) The amount identified against this cost element reflects total prior year funding associated with equipment no longer procured.
- (6) Fluctuations in funding from year to year are based on the required modifications and upgrades to support multiple aircraft T/M/S. Additionally, any decrease in funding causes increased requirements in the out years to maintain fleet readiness. The fluctuations in requirements and funding forces the budget line to exceed the OSD standard inflation rate.
- (7) FY17 Product Support funding is provided for production engineering support and integrated logistics support for the Aerial Refueling Stores program.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0720 / War Consumables	Aggregated Items: War Consumables
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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) Common AAE												
1.3) LAU-7 ^(†)		2010 ⁽⁸⁾	Marvin Eng. / Inglewood, CA	C / FP	NAVAIR	Mar 2010	Aug 2016	373	31,413.00	Y		Mar 2008
1.11) BRU-55 ^{(4)(†)}		2013 ⁽⁹⁾	ITT ⁽¹⁰⁾ / Amityville, NY	SS / FFP	NAVAIR	Dec 2013	Jul 2015	421	86,902.61	Y		Nov 2012
1.11) BRU-55 ^{(4)(†)}		2014	ITT ⁽¹⁰⁾ / Amityville, NY	SS / FFP	NAVAIR	Dec 2013	Nov 2016	29	84,655.17	Y		Nov 2012
1.11) BRU-55 ^{(4)(†)}		2016 ⁽¹¹⁾	ITT ⁽¹²⁾ / Amityville, NY	SS / FFP	NAVAIR	Mar 2016	May 2017	240	101,108.33	Y		Apr 2015
1.11) BRU-55 ^{(4)(†)}		2017 ⁽¹³⁾	ITT ⁽¹²⁾ / Amityville, NY	SS / FFP	NAVAIR	Nov 2016	May 2018	261	103,885.06	Y		Apr 2015
1.12) Digital ITER ^(†)		2012 ⁽¹⁴⁾	ITT / Amityville, NY	SS / FP	NAVAIR	Oct 2013	Aug 2015	159	72,792.45	Y		Mar 2010

^(†) indicates the presence of a P-21

Footnotes:

⁽⁸⁾ Date of first delivery has slipped from May 2014 to August 2016 due to a manufacturer component that is required to be redesigned.

⁽⁹⁾ Contract award date updated from November 2013 to December 2013 due to the date being incorrectly captured in previous budgets. The true contract award date was December 19, 2013. Due to the contract award date being updated, this then pushed out the date of the first delivery to July 2015.

⁽¹⁰⁾ Annual Production Rates were updated to reflect more accurate information and delivery schedule was updated accordingly.

⁽¹¹⁾ Contract award date was delayed from December 2015 to March 2016.

⁽¹²⁾ Annual Production Rates were updated to reflect more accurate information and delivery schedule was updated accordingly.

⁽¹³⁾ FY17 BRU-55 quantity is derived from the OPNAVINST 8000.16B Naval Ordnance Maintenance Management Program (NOMMP) that provides the fleet's requirements for bomb rack modifications and upgrades. The unit price is based on an inflated dollar value from the FY13/14 procurement while negotiations are in process.

⁽¹⁴⁾ Date of first delivery has slipped from June 2015 to August 2015 due to the prime contractor experiencing delays with material procurement. Material has been procured and deliveries will complete May 2016.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0720 / War Consumables **Aggregated Items:** War Consumables

Items <i>(Units in Each)</i>						Fiscal Year 2010												Fiscal Year 2011												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2009	BAL DUE AS OF 1 OCT	Calendar Year 2010												Calendar Year 2011												
							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) Common AAE																															
1.3) LAU-7																															
Prior Years Deliveries: 1627																															
24	2010	NAVY		373	-	373																									373
1.11) BRU-55 ⁽⁴⁾																															
25	2013	NAVY		421 ⁽¹⁵⁾	-	421																									421
25	2014	NAVY		29	-	29																									29
26	2016	NAVY		240	-	240																									240
26	2017	NAVY		261	-	261																									261
1.12) Digital ITER																															
27	2012	NAVY		159	-	159																									159
							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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0720 / War Consumables **Aggregated Items:** War Consumables

Items <i>(Units in Each)</i>				Fiscal Year 2012														Fiscal Year 2013														BALANCE			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012														Calendar Year 2013														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1) Common AAE																																			
1.3) LAU-7																																			
Prior Years Deliveries: 1627																																			
24	2010	NAVY		373	-	373	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	373			
1.11) BRU-55 ⁽⁴⁾																																			
25	2013	NAVY		421 ⁽¹⁵⁾	-	421																									421				
25	2014	NAVY		29	-	29																									29				
26	2016	NAVY		240	-	240																									240				
26	2017	NAVY		261	-	261																									261				
1.12) Digital ITER																																			
27	2012	NAVY		159	-	159																									159				
							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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0720 / War Consumables **Aggregated Items:** War Consumables

Items <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) Common AAE																																					
1.3) LAU-7																																					
Prior Years Deliveries: 1627																																					
24		2010	NAVY	373	-	373	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	373	
1.11) BRU-55 ⁽⁴⁾																																					
25		2013	NAVY	421 ⁽¹⁵⁾	-	421			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	10	36	355
25		2014	NAVY	29	-	29			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	
26		2016	NAVY	240	-	240																														240	
26		2017	NAVY	261	-	261																														261	
1.12) Digital ITER																																					
27		2012	NAVY	159	-	159	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	147	
							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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0720 / War Consumables **Aggregated Items:** War Consumables

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) Common AAE																																				
1.3) LAU-7																																				
Prior Years Deliveries: 1627																																				
24		2010	NAVY	373	-	373	-	-	-	-	-	-	-	-	-	-	-	148	55	55	55	55	5												-	
1.11) BRU-55 (4)																																				
25		2013	NAVY	421 (15)	66	355	33	17	40	25	25	25	25	25	25	25	25	25	25	15																-
25		2014	NAVY	29	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	10	19															-
26		2016	NAVY	240	-	240																														140
26		2017	NAVY	261	-	261																														261
1.12) Digital ITER																																				
27		2012	NAVY	159	12	147	9	7	15	24	30	30	28	4																						-
							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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0720 / War Consumables **Aggregated Items:** War Consumables

Items <i>(Units in Each)</i>					Fiscal Year 2018												Fiscal Year 2019												BALANCE		
O C C O	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) Common AAE																															
1.3) LAU-7																															
Prior Years Deliveries: 1627																															
24		2010	NAVY	373	373	-																							-		
1.11) BRU-55 ⁽⁴⁾																															
25		2013	NAVY	421 ⁽¹⁵⁾	421	-																							-		
25		2014	NAVY	29	29	-																							-		
26		2016	NAVY	240	100	140	20	20	20	20	20	20	20																-		
26		2017	NAVY	261	-	261	-	-	-	-	-	-	-	22	22	22	22	22	22	22	22	22	21	21	21				-		
1.12) Digital ITER																															
27		2012	NAVY	159	159	-																							-		
							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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0720 / War Consumables	Aggregated Items: War Consumables
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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	Marvin Eng. - Inglewood, CA	300	450	600	-	-	-	-	-	6	24	30	
2	ITT ⁽¹⁰⁾ - Amityville, NY	60	180	300	-	2	19	21	-	3	35	38	
3	ITT ⁽¹²⁾ - Amityville, NY	60	180	300	-	6	14	20	-	2	18	20	
4	ITT - Amityville, NY	75	147	200	-	1	20	21	-	-	-	-	

"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:

⁽¹⁰⁾ Annual Production Rates were updated to reflect more accurate information and delivery schedule was updated accordingly.

⁽¹²⁾ Annual Production Rates were updated to reflect more accurate information and delivery schedule was updated accordingly.

⁽¹⁵⁾ Contract for the FY13 procurement was broken out on 2 CLINs, with two different period of performances. A quantity of 300 on one CLIN to deliver in 12 Months and 121 on the other CLIN to deliver the subsequent 5 months for a 17 Month FY13 delivery.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities	P-1 Line Item Number / Title: 0725 / Other Production Charges
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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	Item MDAP/MAIS Code(s): N/A
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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>)	196.136	5.630	2.455	0.860	-	0.860	1.458	1.468	21.796	22.066	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	196.136	5.630	2.455	0.860	-	0.860	1.458	1.468	21.796	22.066	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	196.136	5.630	2.455	0.860	-	0.860	1.458	1.468	21.796	22.066	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 Other Production Charges line provides funds for miscellaneous production support and testing services, aircraft pods, and instrumentation packages supporting tactical aircrew combat training and mobile sea range systems. The budget request supports the following efforts:

TACTICAL COMBAT TRAINING SYSTEM (TCTS):

The TCTS program will procure fixed, transportable and mobile range equipment for the Navy for both shore-based (aircrew training) and deployable (ship/aircrew training) applications. TCTS instrumentation will transmit and track instrumented exercise participants and events (e.g., weapons engagements), and provide accurate, realistic, and timely exercise feedback. TCTS is building on technology developed for existing tactical training range systems. Increment I procurement primarily acquires airborne instrumentation Participant Subsystems (PS) for F/A-18 and other tactical aircraft via Airborne Subsystems (AS). Increment II will provide encryption capability for PS and a Rotary and Transport Aircraft Rack-mounted Subsystems (RS).

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

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities

P-1 Line Item Number / Title:
0725 / Other Production Charges

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 **Item MDAP/MAIS Code(s):** 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	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	Other Production Charges			- / 196.136	- / 5.630	- / 2.455	- / 0.860	- / -	- / 0.860
P-40	Total Gross/Weapon System Cost			- / 196.136	- / 5.630	- / 2.455	- / 0.860	- / -	- / 0.860

*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 in Other Production Charges by \$0.023M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

Basis for FY 2017 Budget Request: Funds are requested in FY 2017 to procure TCTS Increment I Block 5 Upgrades to support improved TCTS Increment I Pod performance for the Fleet.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1 **P-1 Line Item Number / Title:** 0725 / Other Production Charges **Aggregated Items Title:** Other Production Charges

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) Tactical Combat Training System																				
1.1) Participant Subsystem	A		-	-	96.267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) TCTS Increment I Block Upgrade	A		-	-	3.600	-	-	4.198	-	-	0.788	-	-	0.400	-	-	-	-	-	0.400
1.3) Integrated Logistics Support	A		-	-	10.995	-	-	0.272	-	-	0.285	-	-	0.110	-	-	-	-	-	0.110
1.4) Acceptance Test	A		-	-	6.472	-	-	0.251	-	-	0.255	-	-	0.248	-	-	-	-	-	0.248
1.5) Production Engineering	A		-	-	2.753	-	-	0.861	-	-	1.079	-	-	0.074	-	-	-	-	-	0.074
1.6) Production Support	A		-	-	0.202	-	-	0.048	-	-	0.048	-	-	0.028	-	-	-	-	-	0.028
1.7) Non Recurring	A		-	-	75.847	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Tactical Combat Training System			-	-	196.136	-	-	5.630	-	-	2.455	-	-	0.860	-	-	-	-	-	0.860
Total			-	-	196.136	-	-	5.630	-	-	2.455	-	-	0.860	-	-	-	-	-	0.860

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 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 0735 / Special Support Equipment
P-1 Line Item Number / Title: 0735 / Special Support Equipment
 1: Aircraft Support Equip & Facilities

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>)	1,338.130	60.339	50.859	36.282	-	36.282	26.247	41.980	31.174	31.794	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,338.130	60.339	50.859	36.282	-	36.282	26.247	41.980	31.174	31.794	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,338.130	60.339	50.859	36.282	-	36.282	26.247	41.980	31.174	31.794	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:

Details of this P-1 item are classified.

Justification:

Justification of this request is provided separately.

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

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 0740 / First Destination Transportation
P-1 Line Item Number / Title: 0740 / First Destination Transportation
 1: Aircraft Support Equip & Facilities

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>)	81.803	1.168	1.801	1.523	-	1.523	1.977	1.970	1.921	1.960	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	81.803	1.168	1.801	1.523	-	1.523	1.977	1.970	1.921	1.960	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	81.803	1.168	1.801	1.523	-	1.523	1.977	1.970	1.921	1.960	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 line finances the movement of newly procured equipment and material from the contractor's plant to the initial point of receipt by the Government.

Justification:

The FY 2017 funding request was reduced by \$0.217M to account for the availability of prior year execution balances.

Decrease in First Destination Transportation by \$0.074M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

Funds are requested for the FY 2017 First Destination Transportation requirements.

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