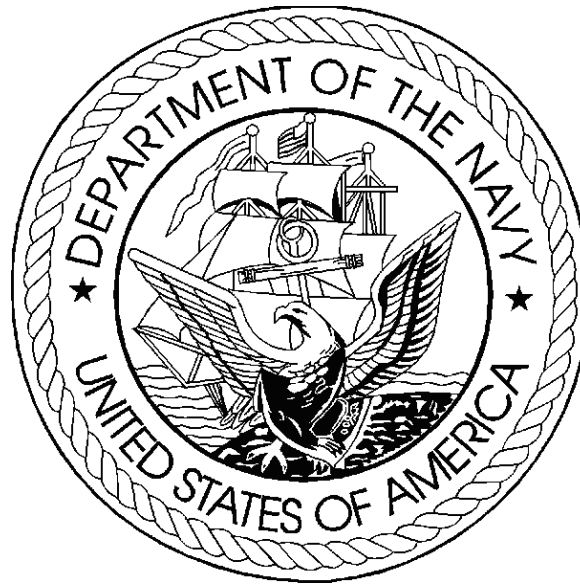


UNCLASSIFIED

**Department of Defense  
Fiscal Year (FY) 2016 President's Budget Submission**

February 2015



**Navy**

*Justification Book Volume 4 of 4*

***Aircraft Procurement, Navy***

**Budget Activity 07**

UNCLASSIFIED

The estimated total cost for producing the Department of Navy budget justification material is approximately \$1,436,000 for the 2015 fiscal year.  
This includes \$74,000 in supplies and \$1,362,000 in labor.

**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

**Table of Volumes**

Navy..... Volume 1

Navy..... Volume 2

Navy..... Volume 3

Navy..... Volume 4

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

**Volume 4 Table of Contents**

Introduction and Explanation of Contents.....	Volume 4 - v
Comptroller Exhibit P-1.....	Volume 4 - vii
Master Line Item Table of Contents (by Appropriation then Line Number).....	Volume 4 - xxiii
Master Line Item Table of Contents (Alphabetically by Line Item Title).....	Volume 4 - xxix
Line Item Table of Contents (by Appropriation then Line Number).....	Volume 4 - xxxiii
Line Item Table of Contents (Alphabetically by Line Item Title).....	Volume 4 - xxxv
Exhibit P-40s.....	Volume 4 - 1

**UNCLASSIFIED**

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

## **Department of Defense Appropriations Act, 2016**

---

### **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, \$16,343,799,000, to remain available for obligation until September 30, 2018.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED



## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

Appropriation -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
Aircraft Procurement, Navy	16,448,382	14,758,035	243,359	15,001,394
Total Department of the Navy	16,448,382	14,758,035	243,359	15,001,394

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

Appropriation -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
Aircraft Procurement, Navy	16,126,405	217,394	16,343,799
Total Department of the Navy	16,126,405	217,394	16,343,799

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

## Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
01. Combat Aircraft	12,054,307	10,590,852	30,000	10,620,852
03. Trainer Aircraft	249,080			
04. Other Aircraft	190,384	199,623	125,000	324,623
05. Modification of Aircraft	2,405,971	2,285,631	69,423	2,355,054
06. Aircraft Spares and Repair Parts	1,087,330	1,208,651	18,000	1,226,651
07. Aircraft Support Equip & Facilities	461,310	473,278	936	474,214
Total Aircraft Procurement, Navy	16,448,382	14,758,035	243,359	15,001,394

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

## Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
01. Combat Aircraft	10,340,088		10,340,088
03. Trainer Aircraft	8,914		8,914
04. Other Aircraft	888,971	55,000	943,971
05. Modification of Aircraft	2,752,821	161,451	2,914,272
06. Aircraft Spares and Repair Parts	1,563,515		1,563,515
07. Aircraft Support Equip & Facilities	572,096	943	573,039
Total Aircraft Procurement, Navy	16,126,405	217,394	16,343,799

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-
Budget Activity 01: Combat Aircraft							
-----							
Combat Aircraft							
1	EA-18G	B	21 (1,884,859)	15 (1,503,547)		15 (1,503,547)	U
	Less: Advance Procurement (PY)		(-44,941)				U
			-----	-----	-----	-----	
			1,839,918	1,503,547		1,503,547	
2	F/A-18E/F (Fighter) Hornet	A	(207,391)				U
	Less: Advance Procurement (PY)		(-27,335)				U
			-----	-----	-----	-----	
			180,056				
3	Joint Strike Fighter CV	A	4 (1,059,114)	4 (927,568)		4 (927,568)	U
	Less: Advance Procurement (PY)		(-30,699)	(-79,016)		(-79,016)	U
			-----	-----	-----	-----	
			1,028,415	848,552		848,552	
4	Joint Strike Fighter CV						
	Advance Procurement (CY)		79,016	29,400		29,400	U
5	JSF STOVL		6 (1,270,309)	6 (1,287,605)		6 (1,287,605)	U
	Less: Advance Procurement (PY)		(-98,061)	(-103,195)		(-103,195)	U
			-----	-----	-----	-----	
			1,172,248	1,184,410		1,184,410	
6	JSF STOVL						
	Advance Procurement (CY)		103,195	143,885		143,885	U
7	CH-53K (Heavy Lift)						
	Advance Procurement (CY)						U
8	V-22 (Medium Lift)		19 (1,443,407)	19 (1,540,459)		19 (1,540,459)	U
	Less: Advance Procurement (PY)		(-86,258)	(-59,359)		(-59,359)	U
			-----	-----	-----	-----	
			1,357,149	1,481,100		1,481,100	
9	V-22 (Medium Lift)						
	Advance Procurement (CY)		53,113	45,920		45,920	U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-----	----	-
Budget Activity 01: Combat Aircraft									
-----									
Combat Aircraft									
1	EA-18G	B							U
	Less: Advance Procurement (PY)								U
			-----		-----		-----		
2	F/A-18E/F (Fighter) Hornet	A							U
	Less: Advance Procurement (PY)								U
			-----		-----		-----		
3	Joint Strike Fighter CV	A	4	(926,942)			4	(926,942)	U
	Less: Advance Procurement (PY)			(-29,400)				(-29,400)	U
				-----				-----	
				897,542				897,542	
4	Joint Strike Fighter CV								
	Advance Procurement (CY)			48,630				48,630	U
5	JSF STOVL		9	(1,627,299)			9	(1,627,299)	U
	Less: Advance Procurement (PY)			(-143,885)				(-143,885)	U
				-----				-----	
				1,483,414				1,483,414	
6	JSF STOVL								
	Advance Procurement (CY)			203,060				203,060	U
7	CH-53K (Heavy Lift)								
	Advance Procurement (CY)			41,300				41,300	U
8	V-22 (Medium Lift)		19	(1,503,863)			19	(1,503,863)	U
	Less: Advance Procurement (PY)			(-67,508)				(-67,508)	U
				-----				-----	
				1,436,355				1,436,355	
9	V-22 (Medium Lift)								
	Advance Procurement (CY)			43,853				43,853	U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
10	H-1 Upgrades (UH-1Y/AH-1Z) Less: Advance Procurement (PY)	A	22 (664,928) (-64,311) ----- 600,617	27 (869,057) (-60,000) ----- 809,057	1 (30,000) ----- 30,000	28 (899,057) (-60,000) ----- 839,057	U U
11	H-1 Upgrades (UH-1Y/AH-1Z) Advance Procurement (CY)		60,000	63,354		63,354	U
12	MH-60S (MYP) Less: Advance Procurement (PY)	A	18 (432,774) (-67,856) ----- 364,918	8 (218,026) (-35,886) ----- 182,140		8 (218,026) (-35,886) ----- 182,140	U U
13	MH-60S (MYP) Advance Procurement (CY)		30,790				U
14	MH-60R (MYP) Less: Advance Procurement (PY)	A	19 (704,319) (-137,486) ----- 566,833	29 (1,074,531) (-197,830) ----- 876,701		29 (1,074,531) (-197,830) ----- 876,701	U U
15	MH-60R (MYP) Advance Procurement (CY)		212,820	106,686		106,686	U
16	P-8A Poseidon Less: Advance Procurement (PY)	A	16 (3,183,543) (-300,679) ----- 2,882,864	9 (2,283,803) (-161,116) ----- 2,122,687		9 (2,283,803) (-161,116) ----- 2,122,687	U U
17	P-8A Poseidon Advance Procurement (CY)		313,160	48,457		48,457	U
18	E-2D Adv Hawkeye Less: Advance Procurement (PY)	A	5 (1,068,588) (-123,016) ----- 945,572	5 (1,044,691) (-125,500) ----- 919,191		5 (1,044,691) (-125,500) ----- 919,191	U U
19	E-2D Adv Hawkeye Advance Procurement (CY)		263,623	225,765		225,765	U
Total Combat Aircraft			12,054,307	10,590,852	30,000	10,620,852	

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
10	H-1 Upgrades (UH-1Y/AH-1Z)	A	28	(863,411)			28	(863,411)	U
	Less: Advance Procurement (PY)			(-63,354)				(-63,354)	U
				800,057				800,057	
11	H-1 Upgrades (UH-1Y/AH-1Z)			56,168				56,168	U
	Advance Procurement (CY)								
12	MH-60S (MYP)	A		(28,232)				(28,232)	U
	Less: Advance Procurement (PY)								U
				28,232				28,232	
13	MH-60S (MYP)								U
	Advance Procurement (CY)								
14	MH-60R (MYP)	A	29	(1,185,423)			29	(1,185,423)	U
	Less: Advance Procurement (PY)			(-215,432)				(-215,432)	U
				969,991				969,991	
15	MH-60R (MYP)								U
	Advance Procurement (CY)								
16	P-8A Poseidon	A	16	(3,196,221)			16	(3,196,221)	U
	Less: Advance Procurement (PY)			(-187,293)				(-187,293)	U
				3,008,928				3,008,928	
17	P-8A Poseidon			269,568				269,568	U
	Advance Procurement (CY)								
18	E-2D Adv Hawkeye	A	5	(1,032,831)			5	(1,032,831)	U
	Less: Advance Procurement (PY)			(-175,177)				(-175,177)	U
				857,654				857,654	
19	E-2D Adv Hawkeye			195,336				195,336	U
	Advance Procurement (CY)								
Total Combat Aircraft				10,340,088				10,340,088	

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

UNCLASSIFIED



## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-
Budget Activity 03: Trainer Aircraft							
-----							
Trainer Aircraft							
20	JPATS	A	29 249,080				U
			-----	-----	-----	-----	
Total Trainer Aircraft			249,080				
Budget Activity 04: Other Aircraft							
-----							
Other Aircraft							
21	KC-130J	A	1 (79,673)	1 (106,905)		1 (106,905)	U
Less: Advance Procurement (PY)			(-10,615)	(-14,615)		(-14,615)	U
			-----	-----	-----	-----	
			69,058	92,290		92,290	
22	KC-130J						
Advance Procurement (CY)			32,288				U
23	MQ-4 Triton*	A					U
Less: Advance Procurement (PY)							U
			-----	-----	-----	-----	
24	MQ-4 Triton						
Advance Procurement (CY)				67,670		67,670	U
25	MQ-8 UAV	B	2 74,080	2 39,663	3 70,000	5 109,663	U
26	STUASLO UAV				3 55,000	3 55,000	U
27	Other Support Aircraft		1 14,958				U
			-----	-----	-----	-----	
Total Other Aircraft			190,384	199,623	125,000	324,623	

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

\* Reflects a FY 2013 Congressional rescission of Advance Procurement for MQ-4 Triton.

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line		Ident	FY 2016		FY 2016		FY 2016	S
No	Item Nomenclature	Code	Base	Cost	OCO	Cost	Total	e
----	-----	-----	Quantity	-----	Quantity	-----	Quantity	-----
Budget Activity 03: Trainer Aircraft								
-----								
Trainer Aircraft								
20	JPATS	A	8,914				8,914	U
			-----		-----		-----	
Total Trainer Aircraft			8,914				8,914	
Budget Activity 04: Other Aircraft								
-----								
Other Aircraft								
21	KC-130J	A	2	(208,502)			2	(208,502) U
	Less: Advance Procurement (PY)			(-16,288)				(-16,288) U
			-----		-----		-----	
			192,214				192,214	
22	KC-130J							
	Advance Procurement (CY)			24,451			24,451	U
23	MQ-4 Triton*	A	3	(561,929)			3	(561,929) U
	Less: Advance Procurement (PY)			(-67,670)				(-67,670) U
			-----		-----		-----	
			494,259				494,259	
24	MQ-4 Triton							
	Advance Procurement (CY)			54,577			54,577	U
25	MQ-8 UAV	B	2	120,020			2	120,020 U
26	STUASLO UAV			3,450	3	55,000	3	58,450 U
27	Other Support Aircraft							U
			-----		-----		-----	
Total Other Aircraft			888,971		55,000		943,971	

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

\* Reflects a FY 2013 Congressional rescission of Advance Procurement for MQ-4 Triton.

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-
Budget Activity 05: Modification of Aircraft							
-----							
Modification of Aircraft							
28	EA-6 Series	A	17,367	10,993		10,993	U
29	AEA Systems		44,802	44,768		44,768	U
30	AV-8 Series	A	96,712	61,722		61,722	U
31	Adversary	A	2,992	4,918		4,918	U
32	F-18 Series	A	755,974	705,830		705,830	U
33	H-46 Series	A	2,033	480		480	U
34	H-53 Series	A	53,172	36,619		36,619	U
35	SH-60 Series	A	120,771	101,064		101,064	U
36	H-1 Series	A	41,509	42,273		42,273	U
37	EP-3 Series	A	108,776	32,890	34,955	67,845	U
38	P-3 Series	A	36,530	2,823		2,823	U
39	E-2 Series	A	26,098	21,208		21,208	U
40	Trainer A/C Series	A	4,166	12,608		12,608	U
41	C-2A	A	885				U
42	C-130 Series	A	46,325	35,522		35,522	U
43	FEWSG	A	665	640		640	U
44	Cargo/Transport A/C Series	A	17,487	4,035		4,035	U
45	E-6 Series	A	157,528	202,129		202,129	U
46	Executive Helicopters Series	A	65,537	68,128		68,128	U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-----	----	-
Budget Activity 05: Modification of Aircraft									
-----									
Modification of Aircraft									
28	EA-6 Series	A		9,799			9,799		U
29	AEA Systems			23,151			23,151		U
30	AV-8 Series	A		41,890		41,365	83,255		U
31	Adversary	A		5,816			5,816		U
32	F-18 Series	A		978,756		8,000	986,756		U
33	H-46 Series	A							U
34	H-53 Series	A		46,887			46,887		U
35	SH-60 Series	A		107,728			107,728		U
36	H-1 Series	A		42,315			42,315		U
37	EP-3 Series	A		41,784		6,300	48,084		U
38	P-3 Series	A		3,067			3,067		U
39	E-2 Series	A		20,741			20,741		U
40	Trainer A/C Series	A		27,980			27,980		U
41	C-2A	A		8,157			8,157		U
42	C-130 Series	A		70,335			70,335		U
43	FEWSG	A		633			633		U
44	Cargo/Transport A/C Series	A		8,916			8,916		U
45	E-6 Series	A		185,253			185,253		U
46	Executive Helicopters Series	A		76,138			76,138		U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-----
47	Special Project Aircraft	A	17,059	21,317	2,548	23,865	U
48	T-45 Series	A	93,086	90,052		90,052	U
49	Power Plant Changes	A	21,871	19,094		19,094	U
50	JPATS Series	A	1,576	1,085		1,085	U
51	Common ECM Equipment	A	178,610	152,744	31,920	184,664	U
52	Common Avionics Changes	A	117,594	153,067		153,067	U
53	Common Defensive Weapon System	A	4,254	1,958		1,958	U
54	ID Systems	A	38,303	38,880		38,880	U
55	P-8 Series		9,485	29,797		29,797	U
56	MAGTF EW for Aviation	A	34,131	14,770		14,770	U
57	MQ-8 Series			8,741		8,741	U
58	RQ-7 Series		20,417				U
59	V-22 (Tilt/Rotor ACFT) Osprey	B	129,148	129,155		129,155	U
60	F-35 STOVL Series	A	111,158	215,819		215,819	U
61	F-35 CV Series	A	29,950	20,502		20,502	U
62	QRC	A					U
Total Modification of Aircraft			2,405,971	2,285,631	69,423	2,355,054	
Budget Activity 06: Aircraft Spares and Repair Parts							
-----							
Aircraft Spares and Repair Parts							
63	Spares and Repair Parts	A	1,087,330	1,208,651	18,000	1,226,651	U
Total Aircraft Spares and Repair Parts			1,087,330	1,208,651	18,000	1,226,651	

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-----	----	-
47	Special Project Aircraft	A		23,702		14,198		37,900	U
48	T-45 Series	A		105,439				105,439	U
49	Power Plant Changes	A		9,917				9,917	U
50	JPATS Series	A		13,537				13,537	U
51	Common ECM Equipment	A		131,732		72,700		204,432	U
52	Common Avionics Changes	A		202,745		13,988		216,733	U
53	Common Defensive Weapon System	A		3,062				3,062	U
54	ID Systems	A		48,206				48,206	U
55	P-8 Series			28,492				28,492	U
56	MAGTF EW for Aviation	A		7,680				7,680	U
57	MQ-8 Series			22,464				22,464	U
58	RQ-7 Series			3,773				3,773	U
59	V-22 (Tilt/Rotor ACFT) Osprey	B		121,208		4,900		126,108	U
60	F-35 STOVL Series	A		256,106				256,106	U
61	F-35 CV Series	A		68,527				68,527	U
62	QRC	A		6,885				6,885	U
				-----		-----		-----	
	Total Modification of Aircraft			2,752,821		161,451		2,914,272	
Budget Activity 06: Aircraft Spares and Repair Parts									
-----									
Aircraft Spares and Repair Parts									
63	Spares and Repair Parts	A		1,563,515				1,563,515	U
				-----		-----		-----	
	Total Aircraft Spares and Repair Parts			1,563,515				1,563,515	

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:27:54

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-
Budget Activity 07: Aircraft Support Equip & Facilities							
-----							
Aircraft Support Equip & Facilities							
64	Common Ground Equipment	A	359,068	366,359		366,359	U
65	Aircraft Industrial Facilities	A	24,250	23,843	936	24,779	U
66	War Consumables	A	28,930	15,939		15,939	U
67	Other Production Charges	A	5,268	5,630		5,630	U
68	Special Support Equipment	A	41,506	60,339		60,339	U
69	First Destination Transportation	A	1,775	1,168		1,168	U
70	Cancelled Account Adjustments	A	513				U
			-----	-----	-----	-----	
Total Aircraft Support Equip & Facilities			461,310	473,278	936	474,214	
			-----	-----	-----	-----	
Total Aircraft Procurement, Navy			16,448,382	14,758,035	243,359	15,001,394	

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-----	----	-
Budget Activity 07: Aircraft Support Equip & Facilities									
-----									
Aircraft Support Equip & Facilities									
64	Common Ground Equipment	A	450,959				450,959		U
65	Aircraft Industrial Facilities	A	24,010		943		24,953		U
66	War Consumables	A	42,012				42,012		U
67	Other Production Charges	A	2,455				2,455		U
68	Special Support Equipment	A	50,859				50,859		U
69	First Destination Transportation	A	1,801				1,801		U
70	Cancelled Account Adjustments	A							U
Total Aircraft Support Equip & Facilities			572,096		943		573,039		
Total Aircraft Procurement, Navy			16,126,405		217,394		16,343,799		



**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

**Master Line Item Table of Contents (by Appropriation then Line Number)**

***Appropriation 1506N: Aircraft Procurement, Navy***

<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
1	01	01	0143	EA-18G.....	Volume 1 - 1
2	01	01	0145	FA-18E/F.....	Volume 1 - 11
3	01	01	0147	Joint Strike Fighter CV.....	Volume 1 - 19
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 - 47
7	01	01	0158	CH-53K (Heavy Lift), Advance Procurement.....	Volume 1 - 51
8	01	01	0164	V-22 (Medium Lift).....	Volume 1 - 55
9	01	01	0164	V-22 (Medium Lift), Advance Procurement.....	Volume 1 - 73
10	01	01	0178	UH-1Y/AH-1Z.....	Volume 1 - 77
11	01	01	0178	UH-1Y/AH-1Z, Advance Procurement.....	Volume 1 - 99
12	01	01	0179	MH-60S (MYP).....	Volume 1 - 105
13	01	01	0179	MH-60S (MYP), Advance Procurement.....	Volume 1 - 113
14	01	01	0182	MH-60R.....	Volume 1 - 117
15	01	01	0182	MH-60R, Advance Procurement.....	Volume 1 - 127
16	01	01	0193	P-8A Poseidon.....	Volume 1 - 131

**UNCLASSIFIED**

UNCLASSIFIED

Navy • President's Budget Submission FY 2016 • Procurement

***Appropriation 1506N: Aircraft Procurement, Navy***

Line #	BA	BSA	Line Item Number	Line Item Title	Page
17	01	01	0193	P-8A Poseidon, Advance Procurement.....	Volume 1 - 143
18	01	01	0195	E-2D AHE.....	Volume 1 - 147
19	01	01	0195	E-2D AHE, Advance Procurement.....	Volume 1 - 159

***Appropriation 1506N: Aircraft Procurement, Navy***

Line #	BA	BSA	Line Item Number	Line Item Title	Page
20	03	01	0339	JT Primary Acft Trnr Sys (JPATS).....	Volume 1 - 163

***Appropriation 1506N: Aircraft Procurement, Navy***

Line #	BA	BSA	Line Item Number	Line Item Title	Page
21	04	01	0416	KC-130J.....	Volume 1 - 173
22	04	01	0416	KC-130J, Advance Procurement.....	Volume 1 - 185
23	04	01	0442	MQ-4 TRITON.....	Volume 1 - 189
24	04	01	0442	MQ-4 TRITON, Advance Procurement.....	Volume 1 - 197

UNCLASSIFIED

UNCLASSIFIED

Navy • President's Budget Submission FY 2016 • Procurement

***Appropriation 1506N: Aircraft Procurement, Navy***

Line #	BA	BSA	Line Item Number	Line Item Title	Page
25	04	01	0443	MQ-8 UAV.....	Volume 1 - 201
26	04	01	0444	STUASLO.....	Volume 1 - 213
27	04	01	0465	Other Support Aircraft.....	Volume 1 - 221

***Appropriation 1506N: Aircraft Procurement, Navy***

Line #	BA	BSA	Line Item Number	Line Item Title	Page
28	05	01	0511	EA-6 Series.....	Volume 2 - 1
29	05	01	0513	AEA Systems.....	Volume 2 - 17
30	05	01	0514	AV-8 Series.....	Volume 2 - 31
31	05	01	0522	Adversary.....	Volume 2 - 61
32	05	01	0525	F-18 Series.....	Volume 2 - 73
33	05	01	0526	H-46 Series.....	Volume 2 - 199
34	05	01	0528	H-53 Series.....	Volume 2 - 209
35	05	01	0530	SH-60 Series.....	Volume 2 - 271
36	05	01	0532	H-1 Series.....	Volume 2 - 319
37	05	01	0537	EP-3 Series.....	Volume 2 - 349

UNCLASSIFIED

**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

***Appropriation 1506N: Aircraft Procurement, Navy***

Line #	BA	BSA	Line Item Number	Line Item Title	Page
38	05	01	0538	P-3 Series.....	Volume 2 - 371
39	05	01	0544	E-2 Series.....	Volume 2 - 413
40	05	01	0549	Trainer Acft Series.....	Volume 2 - 465
41	05	01	0556	C-2A.....	Volume 2 - 483
42	05	01	0560	C-130 Series.....	Volume 2 - 497
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 - 665
48	05	01	0569	T-45 Series.....	Volume 2 - 677
49	05	01	0570	Power Plant Changes.....	Volume 2 - 719
50	05	01	0571	JT Primary Acft Trnr Sys (JPATS).....	Volume 2 - 725
51	05	01	0576	Common ECM Equipment.....	Volume 2 - 739
52	05	01	0577	Common Avionics Changes.....	Volume 2 - 773
53	05	01	0581	Common Defensive Weapon System.....	Volume 2 - 813
54	05	01	0582	ID Sys.....	Volume 2 - 821
55	05	01	0586	P-8 Series.....	Volume 2 - 829

**UNCLASSIFIED**

**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

***Appropriation 1506N: Aircraft Procurement, Navy***

Line #	BA	BSA	Line Item Number	Line Item Title	Page
56	05	01	0587	MAGTF EW for Aviation.....	Volume 2 - 853
57	05	01	0588	MQ-8 Series.....	Volume 2 - 865
58	05	01	0589	RQ-7 Series.....	Volume 2 - 877
59	05	01	0590	V-22 (Tilt/Rotor Acft) Osprey.....	Volume 2 - 883
60	05	01	0592	F-35 STOVL Series.....	Volume 2 - 927
61	05	01	0593	F-35 CV Series.....	Volume 2 - 947
62	05	01	0595	QRC.....	Volume 2 - 967

***Appropriation 1506N: Aircraft Procurement, Navy***

Line #	BA	BSA	Line Item Number	Line Item Title	Page
63	06	01	0605	Spares and Repair Parts.....	Volume 3 - 1

**UNCLASSIFIED**

UNCLASSIFIED

Navy • President's Budget Submission FY 2016 • Procurement

***Appropriation 1506N: Aircraft Procurement, Navy***

---

Line #	BA	BSA	Line Item Number	Line Item Title	Page
64	07	01	0705	Common Ground Equipment.....	Volume 4 - 1
65	07	01	0715	Aircraft Industrial Facilities.....	Volume 4 - 61
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
69	07	01	0740	First Destination Transportation.....	Volume 4 - 85

UNCLASSIFIED

**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

**Master Line Item Table of Contents (Alphabetically by Line Item Title)**

Line Item Title	Line Item Number	Line #	BA	BSA	Page
AEA Systems	0513	29	05	01.....	Volume 2 - 17
AV-8 Series	0514	30	05	01.....	Volume 2 - 31
Adversary	0522	31	05	01.....	Volume 2 - 61
Aircraft Industrial Facilities	0715	65	07	01.....	Volume 4 - 61
C-130 Series	0560	42	05	01.....	Volume 2 - 497
C-2A	0556	41	05	01.....	Volume 2 - 483
CH-53K (Heavy Lift), Advance Procurement	0158	7	01	01.....	Volume 1 - 51
Cargo/Transport Acft Series	0562	44	05	01.....	Volume 2 - 533
Common Avionics Changes	0577	52	05	01.....	Volume 2 - 773
Common Defensive Weapon System	0581	53	05	01.....	Volume 2 - 813
Common ECM Equipment	0576	51	05	01.....	Volume 2 - 739
Common Ground Equipment	0705	64	07	01.....	Volume 4 - 1
E-2 Series	0544	39	05	01.....	Volume 2 - 413
E-2D AHE	0195	18	01	01.....	Volume 1 - 147
E-2D AHE, Advance Procurement	0195	19	01	01.....	Volume 1 - 159
E-6 Series	0564	45	05	01.....	Volume 2 - 557
EA-18G	0143	1	01	01.....	Volume 1 - 1

**UNCLASSIFIED**

**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
EA-6 Series	0511	28	05	01.....	Volume 2 - 1
EP-3 Series	0537	37	05	01.....	Volume 2 - 349
Executive Helicopters Series	0566	46	05	01.....	Volume 2 - 621
F-18 Series	0525	32	05	01.....	Volume 2 - 73
F-35 CV Series	0593	61	05	01.....	Volume 2 - 947
F-35 STOVL Series	0592	60	05	01.....	Volume 2 - 927
FA-18E/F	0145	2	01	01.....	Volume 1 - 11
First Destination Transportation	0740	69	07	01.....	Volume 4 - 85
Flt Elect Wrfr Supt Grp (FEWSG)	0561	43	05	01.....	Volume 2 - 527
H-1 Series	0532	36	05	01.....	Volume 2 - 319
H-46 Series	0526	33	05	01.....	Volume 2 - 199
H-53 Series	0528	34	05	01.....	Volume 2 - 209
ID Sys	0582	54	05	01.....	Volume 2 - 821
JSF STOVL	0152	5	01	01.....	Volume 1 - 35
JSF STOVL, Advance Procurement	0152	6	01	01.....	Volume 1 - 47
JT Primary Acft Trnr Sys (JPATS)	0339	20	03	01.....	Volume 1 - 163
JT Primary Acft Trnr Sys (JPATS)	0571	50	05	01.....	Volume 2 - 725
Joint Strike Fighter CV	0147	3	01	01.....	Volume 1 - 19
Joint Strike Fighter CV, Advance Procurement	0147	4	01	01.....	Volume 1 - 31
KC-130J	0416	21	04	01.....	Volume 1 - 173

**UNCLASSIFIED**



# UNCLASSIFIED

## Navy • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
KC-130J, Advance Procurement	0416	22	04	01.....	Volume 1 - 185
MAGTF EW for Aviation	0587	56	05	01.....	Volume 2 - 853
MH-60R	0182	14	01	01.....	Volume 1 - 117
MH-60R, Advance Procurement	0182	15	01	01.....	Volume 1 - 127
MH-60S (MYP)	0179	12	01	01.....	Volume 1 - 105
MH-60S (MYP), Advance Procurement	0179	13	01	01.....	Volume 1 - 113
MQ-4 TRITON	0442	23	04	01.....	Volume 1 - 189
MQ-4 TRITON, Advance Procurement	0442	24	04	01.....	Volume 1 - 197
MQ-8 Series	0588	57	05	01.....	Volume 2 - 865
MQ-8 UAV	0443	25	04	01.....	Volume 1 - 201
Other Production Charges	0725	67	07	01.....	Volume 4 - 79
Other Support Aircraft	0465	27	04	01.....	Volume 1 - 221
P-3 Series	0538	38	05	01.....	Volume 2 - 371
P-8 Series	0586	55	05	01.....	Volume 2 - 829
P-8A Poseidon	0193	16	01	01.....	Volume 1 - 131
P-8A Poseidon, Advance Procurement	0193	17	01	01.....	Volume 1 - 143
Power Plant Changes	0570	49	05	01.....	Volume 2 - 719
QRC	0595	62	05	01.....	Volume 2 - 967
RQ-7 Series	0589	58	05	01.....	Volume 2 - 877
SH-60 Series	0530	35	05	01.....	Volume 2 - 271

UNCLASSIFIED

**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
STUASLO	0444	26	04	01.....	Volume 1 - 213
Spares and Repair Parts	0605	63	06	01.....	Volume 3 - 1
Special Project Acft	0567	47	05	01.....	Volume 2 - 665
Special Support Equipment	0735	68	07	01.....	Volume 4 - 83
T-45 Series	0569	48	05	01.....	Volume 2 - 677
Trainer Acft Series	0549	40	05	01.....	Volume 2 - 465
UH-1Y/AH-1Z	0178	10	01	01.....	Volume 1 - 77
UH-1Y/AH-1Z, Advance Procurement	0178	11	01	01.....	Volume 1 - 99
V-22 (Medium Lift)	0164	8	01	01.....	Volume 1 - 55
V-22 (Medium Lift), Advance Procurement	0164	9	01	01.....	Volume 1 - 73
V-22 (Tilt/Rotor Acft) Osprey	0590	59	05	01.....	Volume 2 - 883
War Consumables	0720	66	07	01.....	Volume 4 - 67

**UNCLASSIFIED**

UNCLASSIFIED

Navy • President's Budget Submission FY 2016 • Procurement

Line Item Table of Contents (by Appropriation then Line Number)

*Appropriation 1506N: Aircraft Procurement, Navy*

Line #	BA	BSA	Line Item Number	Line Item Title	Page
64	07	01	0705	Common Ground Equipment.....	Volume 4 - 1
65	07	01	0715	Aircraft Industrial Facilities.....	Volume 4 - 61
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
69	07	01	0740	First Destination Transportation.....	Volume 4 - 85

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

**UNCLASSIFIED**

Navy • President's Budget Submission FY 2016 • Procurement

**Line Item Table of Contents (Alphabetically by Line Item Title)**

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
Aircraft Industrial Facilities	0715	65	07	01.....	Volume 4 - 61
Common Ground Equipment	0705	64	07	01.....	Volume 4 - 1
First Destination Transportation	0740	69	07	01.....	Volume 4 - 85
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

**UNCLASSIFIED**

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

# UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy								Date: February 2015				
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:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,609.545	359.068	366.359	450.959	-	450.959	435.151	431.254	432.039	438.053	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,609.545	359.068	366.359	450.959	-	450.959	435.151	431.254	432.039	438.053	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,609.545	359.068	366.359	450.959	-	450.959	435.151	431.254	432.039	438.053	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The 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, 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 unsupportable 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.  FY16 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.												

# UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
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:	Other Related Program Elements:
<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>FY16 provides funding to procure: CRALTS Replacement (CAATS), Vibration Analyzer, Next Generation Software Loader, Hydraulic Test Stand I-Level, Air Conditioner Ship Shore, Shipboard Tractor, Large Capacity MEPP, JSECST upgrade 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 1st 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 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</p>		



# UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
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:	Other Related Program Elements:
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.		
FY16 provides funding to procure (36) eCASS systems and associated ancillary equipment.		
[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.		
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.		
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.		
Key Attributes:		
<ul style="list-style-type: none"><li>- Fully integrated and expeditionary logistics capability deployable via ship, airlift or truck. Operationally deployable aboard ship (TAVB)</li><li>- Provides an effective, reliable and affordable self-contained aircraft maintenance capability (avionics, airframes, et. al.)</li><li>- Provides for supply support functions (work space, parts storage &amp; parts transport)</li></ul>		
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.		
[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.		
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 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.		

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<p>[P40A - 7 / TOPSCENE]: Program Description: TOPSCENE is a Windows based mission rehearsal application that provides tactical scene visualization views (out-the-window scene, 2D, 3D, tether, sensor views (IR, NVD), mission plans and threats).</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 Undergraduate Military Flight Officer (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. EA-6B will focus on obsolescence upgrades to replace unsupportable components, technology modernization to provide the latest state of the art technology, and Safety of Flight upgrades. P-3 will provide a technical upgrade of the 2F179A Tactical Operations Readiness Trainer (TORT) and the 2F87 flight simulator 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.</p>		

**UNCLASSIFIED**

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
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:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	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)
AUTOMATIC TEST EQUIPMENT	P-40a		- / 290.082	- / 26.121	- / 26.533	- / 27.916	- / -	- / 27.916
A/C COMMON SUPPORT EQUIPMENT	P-40a, P-5a, P-21		- / 204.514	- / 53.216	- / 72.330	- / 67.567	- / -	- / 67.567
ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT	P-40a		- / 95.029	- / 28.743	- / 21.498	- / 25.182	- / -	- / 25.182
CONSOLIDATED AUTOMATED SUPPORT SYSTEM	P-40a, P-5a, P-21		- / 603.586	- / 89.662	- / 80.908	- / 103.016	- / -	- / 103.016
MOBILE MAINTENANCE FACILITIES	P-40a, P-5a		- / 99.008	- / 6.437	- / 7.083	- / 6.978	- / -	- / 6.978
GENERAL SKILLS TRAINING	P-40a, P-5a		- / 23.337	- / 2.096	- / 12.558	- / 15.972	- / -	- / 15.972
TOPSCENE	P-40a, P-5a		- / 5.118	- / 2.235	- / 1.485	- / 1.785	- / -	- / 1.785
OTHER FLIGHT TRAINING	P-40a, P-5a, P-21		- / 288.871	- / 150.558	- / 143.964	- / 202.543	- / -	- / 202.543
Total Gross/Weapon System Cost			- / 1,609.545	- / 359.068	- / 366.359	- / 450.959	- / -	- / 450.959
*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 add due to rounding.								

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> AUTOMATIC TEST EQUIPMENT				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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		-	-	195.986	-	-	18.239	-	-	19.239	-	-	20.771	-	-	-	-	-	20.771
Subtotal: 1) Hardware			-	-	195.986	-	-	18.239	-	-	19.239	-	-	20.771	-	-	-	-	-	20.771
2) Non-Recurring																				
2.1) TPS Transition to CASS	A		-	-	4.375	-	-	0.844	-	-	0.934	-	-	0.953	-	-	-	-	-	0.953
Subtotal: 2) Non-Recurring			-	-	4.375	-	-	0.844	-	-	0.934	-	-	0.953	-	-	-	-	-	0.953
3) ILS																				
3.1) TPS Transition to CASS	A		-	-	20.772	-	-	2.065	-	-	1.917	-	-	1.885	-	-	-	-	-	1.885
Subtotal: 3) ILS			-	-	20.772	-	-	2.065	-	-	1.917	-	-	1.885	-	-	-	-	-	1.885
4) Production Engineering																				
4.1) TPS Transition to CASS	A		-	-	68.949	-	-	4.973	-	-	4.443	-	-	4.307	-	-	-	-	-	4.307
Subtotal: 4) Production Engineering			-	-	68.949	-	-	4.973	-	-	4.443	-	-	4.307	-	-	-	-	-	4.307
Total			-	-	290.082	-	-	26.121	-	-	26.533	-	-	27.916	-	-	-	-	-	27.916

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> A/C COMMON SUPPORT EQUIPMENT				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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) <sup>(†)</sup>	B		150,000.00	5	0.750	-	-	-	140,000.00	50	7.000	140,000.00	75	10.500	-	-	-	140,000.00	75	10.500
1.2) Vibration - Vibration Analyzer <sup>(†)</sup>	B		56,250.00	8	0.450	-	-	-	-	-	-	26,250.00	80	2.100	-	-	-	26,250.00	80	2.100
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP <sup>(†)</sup>	A		159,403.51	57	9.086	174,000.00	8	1.392	-	-	-	-	-	-	-	-	-	-	-	
1.4) COMM/NAV I/D - TACAN I Level Test Set	A		54,807.34	109	5.974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) COMM/NAV I/D - R/F COMM/NAV Test Set	A		18,690.03	742	13.868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.7) S/W Loader - Next Generation Software Loader <sup>(†)</sup>	A		40,000.00	80	3.200	37,000.00	100	3.700	37,000.00	90	3.330	40,000.00	130	5.200	-	-	-	40,000.00	130	5.200
1.8) NDI - Digital Radiography <sup>(†)</sup>	A		74,173.33	75	5.563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.9) NDI - Video Borescope <sup>(†)</sup>	A		14,957.56	589	8.810	15,000.00	304	4.560	-	-	-	-	-	-	-	-	-	-	-	
1.10) NDI - Borescope, Defect Measure	A		17,500.00	100	1.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.11) Cryogenics - Portable Oxygen Regulator T/S (PORTS)	A		83,532.11	109	9.105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.13) Hydraulics - Hydraulic Test Stand I Level <sup>(†)</sup>	B		400,000.00	3	1.200	283,600.00	10	2.836	134,538.46	13	1.749	138,500.00	18	2.493	-	-	-	138,500.00	18	2.493
1.15) Propulsion - Turbo Prop Engine Test Instrumentation (TPETI) <sup>(†)</sup>	A		1,091K	11	12.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.16) Platform Support - Air Conditioner Ship Shore <sup>(†)</sup>	B		170,000.00	8	1.360	-	-	-	116,222.22	99	11.506	137,775.00	40	5.511	-	-	-	137,775.00	40	5.511
1.18) Platform Support - Shipboard, Tractor <sup>(†)</sup>	A		115,373.24	142	16.383	-	-	-	123,000.00	51	6.273	125,000.00	11	1.375	-	-	-	125,000.00	11	1.375

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy</b>															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1						<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment									<b>Aggregated Items Title:</b> A/C COMMON SUPPORT EQUIPMENT				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
1.21) Electrical - Large Capacity MEPP <sup>(†)</sup>	B		302,800.00	5	1.514	67,870.00	100	6.787	70,150.44	113	7.927	75,705.26	95	7.192	-	-	-	75,705.26	95	7.192
1.22) Electrical - Small Capacity MEPP (Shipboard) <sup>(†)</sup>	B		-	-	-	-	-	-	130,000.00	5	0.650	-	-	-	-	-	-	-	-	-
1.25) Electronic Warfare- JSECST Upgrade <sup>(†)</sup>	B		-	-	-	50,000.00	4	0.200	-	-	-	54,533.33	75	4.090	-	-	-	54,533.33	75	4.090
<i>Subtotal: 1) Hardware</i>			-	-	91.018	-	-	19.475	-	-	38.435	-	-	38.461	-	-	-	-	-	38.461
<b>2) Non Recurring</b>																				
2.1) Weapons Control	A		-	-	4.557	-	-	0.955	-	-	0.230	-	-	-	-	-	-	-	-	-
2.2) Vibration	A		-	-	1.955	-	-	-	-	-	1.351	-	-	-	-	-	-	-	-	-
2.6) COMM/NAV I/D	A		-	-	0.692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) Software Load	A		-	-	6.125	-	-	0.512	-	-	-	-	-	-	-	-	-	-	-	-
2.8) Non Destruct Inspection (NDI)	A		-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.10) Hydraulics	A		-	-	1.771	-	-	1.300	-	-	-	-	-	-	-	-	-	-	-	-
2.11) Propulsion	A		-	-	2.664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.12) Platform Support	A		-	-	1.393	-	-	1.400	-	-	-	-	-	0.100	-	-	-	-	-	0.100
2.13) Electrical	A		-	-	1.820	-	-	-	-	-	3.200	-	-	-	-	-	-	-	-	-
2.14) Electronic Warfare	A		-	-	-	-	-	0.859	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 2) Non Recurring</i>			-	-	20.994	-	-	5.026	-	-	4.781	-	-	0.100	-	-	-	-	-	0.100
<b>3) ILS</b>																				
3.1) Weapons Control	A		-	-	0.813	-	-	0.273	-	-	0.281	-	-	0.285	-	-	-	-	-	0.285
3.2) Vibration	A		-	-	0.405	-	-	0.097	-	-	0.099	-	-	0.101	-	-	-	-	-	0.101
3.3) Corrosion	A		-	-	0.335	-	-	0.062	-	-	0.064	-	-	0.065	-	-	-	-	-	0.065
3.4) Aircraft Wiring	A		-	-	0.401	-	-	0.135	-	-	0.138	-	-	0.141	-	-	-	-	-	0.141
3.5) Shipboard Fire Trucks	A		-	-	0.415	-	-	0.138	-	-	0.141	-	-	0.144	-	-	-	-	-	0.144
3.6) COMM/NAV I/D	A		-	-	0.843	-	-	0.289	-	-	0.259	-	-	0.213	-	-	-	-	-	0.213
3.7) Software Load	A		-	-	0.252	-	-	0.085	-	-	0.087	-	-	0.088	-	-	-	-	-	0.088
3.8) Non Destruct Inspection (NDI)	A		-	-	1.840	-	-	0.373	-	-	0.415	-	-	0.414	-	-	-	-	-	0.414
3.9) Cryogenics	A		-	-	0.702	-	-	0.204	-	-	0.192	-	-	0.195	-	-	-	-	-	0.195
3.10) Hydraulics	A		-	-	0.549	-	-	0.134	-	-	0.136	-	-	0.142	-	-	-	-	-	0.142

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy																<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment								<b>Aggregated Items Title:</b> A/C COMMON SUPPORT EQUIPMENT			

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.11) Propulsion	A		-	-	2.055	-	-	0.843	-	-	0.855	-	-	0.709	-	-	-	-	-	0.709
3.12) Platform Support	A		-	-	4.018	-	-	1.313	-	-	1.382	-	-	1.386	-	-	-	-	-	1.386
3.13) Electrical	A		-	-	1.599	-	-	0.829	-	-	0.835	-	-	0.838	-	-	-	-	-	0.838
3.14) Electronic Warfare	A		-	-	0.364	-	-	0.099	-	-	0.127	-	-	0.130	-	-	-	-	-	0.130
<i>Subtotal: 3) ILS</i>			-	-	14.591	-	-	4.874	-	-	5.011	-	-	4.851	-	-	-	-	-	4.851
<b>4) Production Engineering Support</b>																				
4.1) Weapons Control	A		-	-	4.246	-	-	1.345	-	-	1.449	-	-	1.451	-	-	-	-	-	1.451
4.2) Vibration	A		-	-	1.914	-	-	0.615	-	-	0.595	-	-	0.528	-	-	-	-	-	0.528
4.3) Corrosion	A		-	-	0.527	-	-	0.111	-	-	0.108	-	-	0.109	-	-	-	-	-	0.109
4.4) Aircraft Wiring	A		-	-	2.182	-	-	0.674	-	-	0.651	-	-	0.653	-	-	-	-	-	0.653
4.5) Shipboard Fire Trucks	A		-	-	3.014	-	-	0.963	-	-	0.982	-	-	0.976	-	-	-	-	-	0.976
4.6) COMM/NAV I/D	A		-	-	4.131	-	-	1.162	-	-	1.219	-	-	1.220	-	-	-	-	-	1.220
4.7) Software Load	A		-	-	2.271	-	-	0.712	-	-	0.741	-	-	0.745	-	-	-	-	-	0.745
4.8) Non Destruct Inspection (NDI)	A		-	-	5.296	-	-	1.490	-	-	1.506	-	-	1.510	-	-	-	-	-	1.510
4.9) Cryogenics	A		-	-	4.919	-	-	1.414	-	-	1.423	-	-	1.425	-	-	-	-	-	1.425
4.10) Hydraulics	A		-	-	3.063	-	-	0.947	-	-	0.913	-	-	0.917	-	-	-	-	-	0.917
4.11) Propulsion	A		-	-	9.596	-	-	3.100	-	-	3.149	-	-	3.152	-	-	-	-	-	3.152
4.12) Platform Support	A		-	-	11.549	-	-	3.700	-	-	3.737	-	-	3.742	-	-	-	-	-	3.742
4.13) Electrical	A		-	-	3.656	-	-	1.206	-	-	1.241	-	-	1.246	-	-	-	-	-	1.246
4.14) Electronic Warfare	A		-	-	4.318	-	-	1.135	-	-	1.306	-	-	1.308	-	-	-	-	-	1.308
<i>Subtotal: 4) Production Engineering Support</i>			-	-	60.682	-	-	18.574	-	-	19.020	-	-	18.982	-	-	-	-	-	18.982
<b>5) Installations</b>																				
5.1) Non FMP Installations	A		-	-	9.839	-	-	1.355	-	-	2.057	-	-	3.312	-	-	-	-	-	3.312
5.2) FMP Installations	A		-	-	7.390	-	-	3.912	-	-	3.026	-	-	1.861	-	-	-	-	-	1.861
<i>Subtotal: 5) Installations</i>			-	-	17.229	-	-	5.267	-	-	5.083	-	-	5.173	-	-	-	-	-	5.173
<b>Total</b>			-	-	204.514	-	-	53.216	-	-	72.330	-	-	67.567	-	-	-	-	-	67.567

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
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

(†) indicates the presence of a P-5a

**Footnotes:**

(1) Non-Destruct Inspection (NDI)



**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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 - CraIts Replacement (CAATS) <sup>(†)</sup>		2012	US ARMY ARDEC / PICATINNY ARSENAL NJ	PO	NAWCAD LKE	Jul 2012	Jul 2014	5	150,000.00	Y		
1.1) Weapons Control - CraIts Replacement (CAATS) <sup>(†)</sup>		2015	SAIC / Indianapolis IN	SS / FFP	NAWCAD LKE	Mar 2015	Jan 2016	50	140,000.00	Y		
1.1) Weapons Control - CraIts Replacement (CAATS) <sup>(†)</sup>		2016	SAIC / Indianapolis IN	SS / FFP	NAWCAD LKE	Nov 2015	Dec 2016	75	140,000.00	Y		
1.2) Vibration - Vibration Analyzer <sup>(†)</sup>		2011	NUWC / KEYPORT,WA	PO	NAWCAD LKE	Oct 2011	Oct 2014	8	56,250.00	Y		
1.2) Vibration - Vibration Analyzer <sup>(†)</sup>		2016	NUWC / KEYPORT,WA	PO	NAWCAD LKE	Dec 2015	Oct 2016	80	26,250.00	Y		
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP <sup>(†)</sup>		2011	ENTWISTLE COMPANY / HUDSON, MA	SS / FFP	NAWCAD LKE	Mar 2013	Jun 2014	16	145,813.00	Y		Jun 2009
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP <sup>(†)</sup>		2012	ENTWISTLE COMPANY / HUDSON, MA	SS / FFP	NAWCAD LKE	Mar 2013	Jun 2015	16	154,813.00	Y		Jun 2009
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP <sup>(†)</sup>		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 <sup>(†)</sup>		2014	ENTWISTLE COMPANY / HUDSON, MA	SS / FFP	NAWCAD LKE	Dec 2013	Feb 2017	8	174,000.00	Y		Jun 2009
1.7) S/W Loader - Next Generation Software Loader <sup>(†)</sup>		2013	NSWC CRANE / IN	PO	NSWC CRANE	Jul 2013	Aug 2014	80	40,000.00	Y		
1.7) S/W Loader - Next Generation Software Loader <sup>(†)</sup>		2014	NSWC CRANE / IN	PO	NSWC CRANE	Feb 2014	Mar 2015	100	37,000.00	Y		
1.7) S/W Loader - Next Generation Software Loader <sup>(†)</sup>		2015	NSWC CRANE / IN	PO	NSWC CRANE	Jan 2015	Feb 2016	90	37,000.00	Y		
1.7) S/W Loader - Next Generation Software Loader <sup>(†)</sup>		2016	NSWC CRANE / IN	PO	NSWC CRANE	Dec 2015	Dec 2016	130	40,000.00	Y		
1.9) NDI - Video Borescope <sup>(†)</sup>		2014	General Electric Inspections Tech / SKANEATELES, NY	C / FFP	NAWCAD LKE	Nov 2013	Apr 2014	304	15,000.00	Y		Dec 2008
1.13) Hydraulics - Hydraulic Test Stand I Level <sup>(†)</sup>		2014	Hydraulics International Inc. / CHATSWORTH CA	C / FFP	NAWCAD LKE	Feb 2015	Aug 2015	10	283,600.00	Y		Aug 2011
1.13) Hydraulics - Hydraulic Test Stand I Level <sup>(†)</sup>		2015	Hydraulics International Inc. / CHATSWORTH CA	C / FFP	NAWCAD LKE	Feb 2015	May 2016	13	134,538.46	Y		Aug 2011
1.13) Hydraulics - Hydraulic Test Stand I Level <sup>(†)</sup>		2016	Hydraulics International Inc. / CHATSWORTH CA	C / FFP	NAWCAD LKE	Dec 2015	Nov 2016	18	138,500.00	Y		Aug 2011

**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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
1.15) Propulsion - Turbo Prop Engine Test Instrumentation (TPETI) <sup>(†)</sup>		2012	EADS / IRVINE, CA	C / FFP	NAWCAD LKE	Sep 2012	Jul 2014	4	1,076K	Y		Jan 2011
1.16) Platform Support - Air Conditioner Ship Shore <sup>(†)</sup>		2015	DRS TECHNOLOGIES / FLORENCE, KY	C / FFP	NAWCAD LKE	Jun 2015	Jun 2016	99	116,222.22	Y		Dec 2009
1.16) Platform Support - Air Conditioner Ship Shore <sup>(†)</sup>		2016	DRS TECHNOLOGIES / FLORENCE, KY	C / FFP	NAWCAD LKE	Dec 2015	Jun 2017	40	137,775.00	Y		Dec 2009
1.18) Platform Support - Shipboard, Tractor <sup>(†)</sup>		2013	Schopf / Ostfildern, Germany	C / FFP	NAWCAD LKE	May 2013	Nov 2014	90	117,619.72	Y		Apr 2009
1.18) Platform Support - Shipboard, Tractor <sup>(†)</sup>		2015	Schopf / Ostfildern, Germany	C / FFP	NAWCAD LKE	Feb 2015	Nov 2015	51	123,000.00	Y		Apr 2009
1.18) Platform Support - Shipboard, Tractor <sup>(†)</sup>		2016	Schopf / Ostfildern, Germany	C / FFP	NAWCAD LKE	Oct 2015	Aug 2016	11	125,000.00	Y		Apr 2009
1.21) Electrical - Large Capacity MEPP <sup>(†)</sup>		2014	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Jun 2015	Dec 2015	100	67,870.00	Y		Apr 2010
1.21) Electrical - Large Capacity MEPP <sup>(†)</sup>		2015	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Jun 2015	Jun 2016	113	70,150.44	Y		Apr 2010
1.21) Electrical - Large Capacity MEPP <sup>(†)</sup>		2016	Essex Electro Engineers, Inc / Schaumburg, IL	C / FFP	NAWCAD LKE	Dec 2015	Feb 2017	95	75,705.26	Y		Apr 2010
1.22) Electrical - Small Capacity MEPP (Shipboard) <sup>(†)</sup>		2015	NAWCAD LKE / NAWCAD LKE	C / TBD	TBD	Feb 2015	Jun 2016	5	130,000.00	Y		Nov 2013
1.25) Electronic Warfare- JSECST Upgrade <sup>(†)</sup>		2014	AAI Corporation / Hunt Valley, MD	MIPR	AIRFORCE	Sep 2014	Mar 2015	4	50,000.00	Y		Jan 2014
1.25) Electronic Warfare- JSECST Upgrade <sup>(†)</sup>		2016	AAI Corporation / Hunt Valley, MD	MIPR	AIRFORCE	Nov 2015	Jan 2016	75	54,533.33	Y		Jan 2014
<sup>(†)</sup> indicates the presence of a P-21												

**UNCLASSIFIED**

Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015																	
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 2012												Fiscal Year 2013																			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 1	BAL DUE AS OF 1 OCT	Calendar Year 2012																		Calendar Year 2013												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
1) Hardware																																					
1.1) Weapons Control - Cralts Replacement (CAATS)																																					
	1	2012	NAVY	5	-	5											A -	-	-	-	-	-	-	-	-	-	-	-	-	5							
	2	2015	NAVY	50	-	50																								50							
	2	2016	NAVY	75	-	75																								75							
1.2) Vibration - Vibration Analyzer																																					
	3	2011	NAVY	8	-	8	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8							
	3	2016	NAVY	80	-	80																								80							
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP																																					
	4	2011	NAVY	16	-	16																								16							
	4	2012	NAVY	16	-	16																								16							
	4	2013	NAVY	25	-	25																								25							
	4	2014	NAVY	8	-	8																								8							
1.7) S/W Loader - Next Generation Software Loader																																					
	5	2013	NAVY	80	-	80																						A -	-	-	80						
	5	2014	NAVY	100	-	100																								100							
	5	2015	NAVY	90	-	90																								90							
	5	2016	NAVY	130	-	130																								130							
1.9) NDI - Video Borescope																																					
Prior Years Deliveries: 589																																					
	6	2014	NAVY	304	-	304																								304							
1.13) Hydraulics - Hydraulic Test Stand I Level																																					
Prior Years Deliveries: 3																																					
	7	2014	NAVY	10	-	10																								10							
	7	2015	NAVY	13	-	13																								13							
	7	2016	NAVY	18	-	18																								18							
1.15) Propulsion - Turbo Prop Engine Test Instrumentation (TPETI)																																					
Prior Years Deliveries: 7																																					
	8	2012	NAVY	4	-	4											A -	-	-	-	-	-	-	-	-	-	-	-	-	4							
1.16) Platform Support - Air Conditioner Ship Shore																																					
Prior Years Deliveries: 8																																					
	9	2015	NAVY	99	-	99																								99							
	9	2016	NAVY	40	-	40																								40							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015									
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 2012												Fiscal Year 2013													
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												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1.18) Platform Support - Shipboard, Tractor																																
Prior Years Deliveries: 52																																
	10	2013	NAVY	90	-	90																									90	
	10	2015	NAVY	51	-	51																										51
	10	2016	NAVY	11	-	11																										11
1.21) 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
1.22) Electrical - Small Capacity MEPP (Shipboard)																																
	12	2015	NAVY	5	-	5																										5
1.25) Electronic Warfare- JSECST Upgrade																																
	13	2014	NAVY	4	-	4																										4
	13	2016	NAVY	75	-	75																										75
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

## UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																		Date: February 2015														
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 2014												Fiscal Year 2015														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 3	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1) Hardware																																
1.1) Weapons Control - Craits Replacement (CAATS)																																
1	2012	NAVY		5	-	5	-	-	-	-	-	-	-	-	-	5																-
2	2015	NAVY		50	-	50																										50
2	2016	NAVY		75	-	75																										75
1.2) Vibration - Vibration Analyzer																																
3	2011	NAVY		8	-	8	-	-	-	-	-	-	-	-	-	-	8															-
3	2016	NAVY		80	-	80																										80
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CIOP																																
4	2011	NAVY		16	-	16	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	2	2	2	2							-
4	2012	NAVY		16	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2			8
4	2013	NAVY		25	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
4	2014	NAVY		8	-	8			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
1.7) S/W Loader - Next Generation Software Loader																																
5	2013	NAVY		80	-	80	-	-	-	-	-	-	-	-	-	12	12	12	11	11	11	11										-
5	2014	NAVY		100	-	100				A	-	-	-	-	-	-	-	-	-	-	-	10	9	9	9	9	9	9				36
5	2015	NAVY		90	-	90															A	-	-	-	-	-	-	-	-	-	-	90
5	2016	NAVY		130	-	130																										130
1.9) NDI - Video Borescope																																
Prior Years Deliveries: 589																																
6	2014	NAVY		304	-	304			A	-	-	-	-	-	50	50	50	50	50	54												-
1.13) Hydraulics - Hydraulic Test Stand I Level																																
Prior Years Deliveries: 3																																
7	2014	NAVY		10	-	10																										8
7	2015	NAVY		13	-	13																										13
7	2016	NAVY		18	-	18																										18
1.15) Propulsion - Turbo Prop Engine Test Instrumentation (TPETI)																																
Prior Years Deliveries: 7																																
8	2012	NAVY		4	-	4	-	-	-	-	-	-	-	-	-	1	1	1	1													-
1.16) Platform Support - Air Conditioner Ship Shore																																
Prior Years Deliveries: 8																																
9	2015	NAVY		99	-	99																										99
9	2016	NAVY		40	-	40																										40
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

## UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015														
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 2014												Fiscal Year 2015																		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 3	BAL DUE AS OF 1 OCT	Calendar Year 2014																		Calendar Year 2015												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
1.18) Platform Support - Shipboard, Tractor																																					
Prior Years Deliveries: 52																																					
	10	2013	NAVY	90	-	90	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8	8	8	8	8	8	8	8	7	7	7						
	10	2015	NAVY	51	-	51																	A -	-	-	-	-	-	-	-	51						
	10	2016	NAVY	11	-	11																									11						
1.21) Electrical - Large Capacity MEPP																																					
Prior Years Deliveries: 5																																					
	11	2014	NAVY	100	-	100																						A -	-	-	100						
	11	2015	NAVY	113	-	113																						A -	-	-	113						
	11	2016	NAVY	95	-	95																									95						
1.22) Electrical - Small Capacity MEPP (Shipboard)																																					
	12	2015	NAVY	5	-	5																	A -	-	-	-	-	-	-	-	5						
1.25) Electronic Warfare- JSECST Upgrade																																					
	13	2014	NAVY	4	-	4												A -	-	-	-	-	-	-	4					-							
	13	2016	NAVY	75	-	75																									75						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

**UNCLASSIFIED**

LI 0705 - Common Ground Equipment  
Navy

## UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
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 2016										Fiscal Year 2017															
O C 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										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
1.18) Platform Support - Shipboard, Tractor																																
Prior Years Deliveries: 52																																
	10	2013	NAVY	90	83	7	7																								-	
	10	2015	NAVY	51	-	51	-	7	5	5	5	5	5	5	5	5	4														-	
	10	2016	NAVY	11	-	11	A -	-	-	-	-	-	-	-	-	1	5	5													-	
1.21) Electrical - Large Capacity MEPP																																
Prior Years Deliveries: 5																																
	11	2014	NAVY	100	-	100	-	-	15	15	15	15	15	15	10																-	
	11	2015	NAVY	113	-	113	-	-	-	-	-	-	-	-	5	15	15	15	15	15	15	3										-
	11	2016	NAVY	95	-	95			A -	-	-	-	-	-	-	-	-	-	-	-	12	15	15	15	15	15	8		-			
1.22) Electrical - Small Capacity MEPP (Shipboard)																																
	12	2015	NAVY	5	-	5	-	-	-	-	-	-	-	-	5																-	
1.25) Electronic Warfare- JSECST Upgrade																																
	13	2014	NAVY	4	4	-																								-		
	13	2016	NAVY	75	-	75		A -	-	7	7	7	7	6	6	6	6	6	6	5											-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Navy															<b>Date:</b> February 2015									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1										<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment										<b>Aggregated Items:</b> A/C COMMON SUPPORT EQUIPMENT				

Items (Units in Each)						Fiscal Year 2018												Fiscal Year 2019																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 7	BAL DUE AS OF 1 OCT				Calendar Year 2018												Calendar Year 2019												B A L		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
1) Hardware																																				
1.1) Weapons Control - CraIts Replacement (CAATS)																																				
	1	2012	NAVY	5	5	-																														-
	2	2015	NAVY	50	50	-																														-
	2	2016	NAVY	75	61	14	7	7																												-
1.2) Vibration - Vibration Analyzer																																				
	3	2011	NAVY	8	8	-																														-
	3	2016	NAVY	80	80	-																														-
1.3) Shipboard Fire Trucks - A/S32-P-25A Fire Truck CILOP																																				
	4	2011	NAVY	16	16	-																														-
	4	2012	NAVY	16	16	-																														-
	4	2013	NAVY	25	25	-																														-
	4	2014	NAVY	8	8	-																														-
1.7) S/W Loader - Next Generation Software Loader																																				
	5	2013	NAVY	80	80	-																														-
	5	2014	NAVY	100	100	-																														-
	5	2015	NAVY	90	90	-																														-
	5	2016	NAVY	130	110	20	10	10																												-
1.9) NDI - Video Borescope																																				
Prior Years Deliveries: 589																																				
	6	2014	NAVY	304	304	-																														-
1.13) Hydraulics - Hydraulic Test Stand I Level																																				
Prior Years Deliveries: 3																																				
	7	2014	NAVY	10	10	-																														-
	7	2015	NAVY	13	13	-																														-
	7	2016	NAVY	18	18	-																														-
1.15) Propulsion - Turbo Prop Engine Test Instrumentation (TPETI)																																				
Prior Years Deliveries: 7																																				
	8	2012	NAVY	4	4	-																														-
1.16) Platform Support - Air Conditioner Ship Shore																																				
Prior Years Deliveries: 8																																				
	9	2015	NAVY	99	99	-																														-
	9	2016	NAVY	40	40	-	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
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 2018										Fiscal Year 2019															
O C O	M F R #	FY	SERVICE	PROC QTY	ACCE PT 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	B A L	
1.18) Platform Support - Shipboard, Tractor																																
Prior Years Deliveries: 52																																
	10	2013	NAVY	90	90	-																										-
	10	2015	NAVY	51	51	-																										-
	10	2016	NAVY	11	11	-																										-
1.21) Electrical - Large Capacity MEPP																																
Prior Years Deliveries: 5																																
	11	2014	NAVY	100	100	-																										-
	11	2015	NAVY	113	113	-																										-
	11	2016	NAVY	95	95	-																										-
1.22) Electrical - Small Capacity MEPP (Shipboard)																																
	12	2015	NAVY	5	5	-																										-
1.25) Electronic Warfare- JSECST Upgrade																																
	13	2014	NAVY	4	4	-																										-
	13	2016	NAVY	75	75	-																										-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Navy			<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1		<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment			<b>Aggregated Items:</b> A/C COMMON SUPPORT EQUIPMENT

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	US ARMY ARDEC - PICATINNY ARSENAL NJ	5	84	168	-	10	20	30	-	-	-	-
2	SAIC - Indianapolis IN	2	84	168	-	6	10	16	-	-	-	-
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	General Electric Inspections Tech - SKANEATELES, NY	3	648	1,296	-	3	51	54	-	-	-	-
7	Hydraulics International Inc. - CHATSWORTH CA	1	24	48	-	11	11	22	-	5	6	11
8	EADS - IRVINE, CA	1	12	24	-	11	9	20	-	5	10	15
9	DRS TECHNOLOGIES - FLORENCE, KY	2	120	240	-	4	6	10	-	4	10	14
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	NAWCAD LKE - NAWCAD LKE	1	60	120	-	1	4	5	-	-	-	-
13	AAI Corpoation - Hunt Valley, MD	1	84	168	-	1	6	7	-	-	-	-

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

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

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy												<b>Date:</b> February 2015							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1						<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment						<b>Aggregated Items Title:</b> ICP/HEADQUARTERS MANAGED SUPPORT EQUIPMENT							

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 <sup>(2)</sup>	A		-	-	16.521	-	-	2.469	-	-	1.979	-	-	2.094	-	-	-	-	-	2.094
1.2) PSE Initial Outfitting <sup>(3)</sup>	A		-	-	20.259	-	-	7.060	-	-	7.197	-	-	7.027	-	-	-	-	-	7.027
1.3) New Support Equipment <sup>(4)</sup>	A		-	-	32.008	-	-	8.985	-	-	7.034	-	-	11.042	-	-	-	-	-	11.042
Subtotal: 1) Hardware			-	-	68.788	-	-	18.514	-	-	16.210	-	-	20.163	-	-	-	-	-	20.163
2) Production Engineering																				
2.1) CSE Initial Outfitting	A		-	-	0.703	-	-	0.220	-	-	0.229	-	-	0.232	-	-	-	-	-	0.232
2.2) PSE Initial Outfitting <sup>(5)</sup>	A		-	-	2.173	-	-	5.729	-	-	0.759	-	-	0.766	-	-	-	-	-	0.766
2.3) New Support Equipment	A		-	-	12.710	-	-	4.280	-	-	4.300	-	-	4.021	-	-	-	-	-	4.021
Subtotal: 2) Production Engineering			-	-	15.586	-	-	10.229	-	-	5.288	-	-	5.019	-	-	-	-	-	5.019
3) OCO																				
3.1) Individual Material Readiness List (IMRL) OCO	A		-	-	10.655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) OCO			-	-	10.655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	95.029	-	-	28.743	-	-	21.498	-	-	25.182	-	-	-	-	-	25.182

**Footnotes:**

<sup>(2)</sup> Additional CSE for initial outfitting of sites due to: (a) intro of weapon systems and (b) baseloading changes for existing weapon systems/subsystems.

<sup>(3)</sup> Additional PSE for initial outfitting of sites due to baseloading changed for out-of-production weapon systems and subsystems. FY14 \$481k/Below Threshold Reprogramming (BTR) for PMA261 H-53 Program for Common Ground Equipment (CGE) Individual Material Readiness List (IMRL).

<sup>(4)</sup> New SE Required for replacement of existing SE due to obsolescent and attrition.

<sup>(5)</sup> FY14 \$5M/Below Threshold Reprogramming (BTR) for PMA265 F/A-18 Program for High Flight (HFH) Inspection Support Equipment

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> CONSOLIDATED AUTOMATED SUPPORT SYSTEM				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 <sup>(†)</sup>	A		2,500K	18	45.000	2,544K	18	45.800	2,544K	28	71.244	2,433K	36	87.600	-	-	-	2,433K	36	87.600	
Subtotal: 1) Hardware			-	-	304.280	-	-	45.800	-	-	71.244	-	-	87.600	-	-	-	-	-	87.600	
2) ECP																					
2.1) RT CASS	A		-	-	97.392	-	-	10.960	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) eCASS	A		-	-	-	-	-	-	-	-	0.753	-	-	0.810	-	-	-	-	-	0.810	
Subtotal: 2) ECP			-	-	97.392	-	-	10.960	-	-	0.753	-	-	0.810	-	-	-	-	-	0.810	
3) ILS																					
3.1) RT CASS	A		-	-	39.104	-	-	5.816	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) eCASS	A		-	-	10.942	-	-	8.711	-	-	3.429	-	-	4.439	-	-	-	-	-	4.439	
Subtotal: 3) ILS			-	-	50.046	-	-	14.527	-	-	3.429	-	-	4.439	-	-	-	-	-	4.439	
4) Production Engineering																					
4.1) RT CASS	A		-	-	89.757	-	-	3.988	-	-	-	-	-	-	-	-	-	-	-	-	
4.2) eCASS	A		-	-	7.200	-	-	6.847	-	-	3.123	-	-	4.383	-	-	-	-	-	4.383	
Subtotal: 4) Production Engineering			-	-	96.957	-	-	10.835	-	-	3.123	-	-	4.383	-	-	-	-	-	4.383	
5) Non FMP Installations																					
5.1) RT CASS	A		-	-	26.776	-	-	2.300	-	-	-	-	-	-	-	-	-	-	-	-	
5.2) eCASS	A		-	-	-	-	-	1.800	-	-	2.038	-	-	4.826	-	-	-	-	-	4.826	
Subtotal: 5) Non FMP Installations			-	-	26.776	-	-	4.100	-	-	2.038	-	-	4.826	-	-	-	-	-	4.826	
6) FMP Installations																					
6.1) RT CASS	A		-	-	28.135	-	-	3.140	-	-	-	-	-	-	-	-	-	-	-	-	
6.2) eCASS	A		-	-	-	-	-	0.300	-	-	0.321	-	-	0.958	-	-	-	-	-	0.958	
Subtotal: 6) FMP Installations			-	-	28.135	-	-	3.440	-	-	0.321	-	-	0.958	-	-	-	-	-	0.958	
Total			-	-	603.586	-	-	89.662	-	-	80.908	-	-	103.016	-	-	-	-	-	103.016	

<sup>(†)</sup> indicates the presence of a P-5a

## UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy									Date: February 2015				
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 <sup>(†)</sup>		2013	Lockheed Martin (LRIP 1) / Orlando, FL	C / FPIF	NAWCAD LKE	Dec 2013	Dec 2014	18	2,500K	N	Jul 2016	Mar 2009	
1.2) eCASS <sup>(†)</sup>		2014	Lockheed Martin (LRIP 2) <sup>(6)</sup> / Orlando, FL	C / FPIF	NAWCAD LKE	Dec 2013	Sep 2015	18	2,544K	N	Jul 2016	Mar 2009	
1.2) eCASS <sup>(†)</sup>		2015	Lockheed Martin (LRIP 3) / Orlando, FL	SS / FFP	NAWCAD LKE	Jan 2015	Jul 2016	28	2,544K	N	Jul 2016	May 2014	
1.2) eCASS <sup>(†)</sup>		2016	Lockheed Martin (FRP) / Orlando, FL	SS / FFP	NAWCAD LKE	Jun 2016	Jun 2017	36	2,433K	N	Jul 2016	Mar 2015	

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(6)</sup> Concurrent LRIP 1 & LRIP 2 award at Milestone C causes increased Mfg PLT for LRIP 2 due to prior negotiated production rates.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																		Date: February 2015									
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 (Units in Each)						Fiscal Year 2014														Fiscal Year 2015															
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														B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1) Hardware																																			
1.2) eCASS																																			
	14	2013	NAVY	18	-	18			A -	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2		-			
	15	2014	NAVY	18	-	18			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	16				
	16	2015	NAVY	28	-	28																A -	-	-	-	-	-	-	-	-	-	28			
	17	2016	NAVY	36	-	36																										36			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015											
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														
O C 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	B A L			
1) Hardware																																		
1.2) eCASS																																		
	14	2013	NAVY	18	18	-																												-
	15	2014	NAVY	18	2	16	2	2	2	2	2	2	2																					-
	16	2015	NAVY	28	-	28	-	-	-	-	-	-	-	-	3	2	2	3	2	2	3	2	2	3	2	2								-
	17	2016	NAVY	36	-	36								A	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	24				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			



UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015													
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 (Units in Each)							Fiscal Year 2018													Fiscal Year 2019													
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	B A L		
1) Hardware																																	
1.2) eCASS																																	
	14	2013	NAVY	18	18	-																								-			
	15	2014	NAVY	18	18	-																								-			
	16	2015	NAVY	28	28	-																								-			
	17	2016	NAVY	36	12	24	3	3	3	3	3	3	3		J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Navy						<b>Date:</b> February 2015	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1			<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment				<b>Aggregated Items:</b> CONSOLIDATED AUTOMATED SUPPORT SYSTEM

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Lockheed Martin (LRIP 1) - Orlando, FL	12	18	24	-	6	12	18	-	-	-	-
2	Lockheed Martin (LRIP 2) <sup>(6)</sup> - Orlando, FL	12	18	24	-	6	18	24	-	-	-	-
3	Lockheed Martin (LRIP 3) - Orlando, FL	24	30	36	-	6	18	24	-	-	-	-
4	Lockheed Martin (FRP) - Orlando, FL	-	-	-	5	17	-	17	-	-	-	-

"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:**

<sup>(6)</sup> Concurrent LRIP 1 & LRIP 2 award at Milestone C causes increased Mfg PLT for LRIP 2 due to prior negotiated production rates.

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> MOBILE MAINTENANCE FACILITIES				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 <sup>(7)(t)</sup>	A		199,564.89	131	26.143	55,000.00	25	1.375	50,394.74	38	1.915	54,066.67	60	3.244	-	-	-	54,066.67	60	3.244
1.2) Complex Decomplex Tool	A		-	-	0.702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Environmental Control Units <sup>(8)(t)</sup>	A		10,341.25	337	3.485	3,000.00	30	0.090	3,333.33	60	0.200	4,200.00	50	0.210	-	-	-	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			-	-	61.448	-	-	1.465	-	-	2.115	-	-	3.454	-	-	-	-	-	3.454
2) ILS																				
2.1) Non-FMP Installations	A		-	-	14.720	-	-	1.477	-	-	1.299	-	-	1.292	-	-	-	-	-	1.292
Subtotal: 2) ILS			-	-	14.720	-	-	1.477	-	-	1.299	-	-	1.292	-	-	-	-	-	1.292
3) Production Engineering																				
3.1) Mobile Facility Vans <sup>(9)</sup>	A		-	-	20.768	-	-	3.495	-	-	3.669	-	-	2.232	-	-	-	-	-	2.232
Subtotal: 3) Production Engineering			-	-	20.768	-	-	3.495	-	-	3.669	-	-	2.232	-	-	-	-	-	2.232
4) Miscellaneous Support																				
4.1) Publications	A		-	-	2.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Miscellaneous Support			-	-	2.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	99.008	-	-	6.437	-	-	7.083	-	-	6.978	-	-	-	-	-	6.978

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

**Footnotes:**

<sup>(7)</sup> FY16 - FY20 Increase in Mobile Facility Vans is due to fleet shortages of Integration units (INU's)

<sup>(8)</sup> FY16 Environmental Control Unit: Procurements reduced to zero in FY17 due to production plan to build integration unit mobile facilities which do not house Environment Control Units.

<sup>(9)</sup> FY16 - FY20 Production and Engineering: Cost decrease is a result of lower configuration costs associated with integration units.

## UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: MOBILE MAINTENANCE 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) HARDWARE												
1.1) Mobile Facility Vans <sup>(7)</sup>		2014	Gichner Shelter / Dallastown, PA	C / IDDQ	NAWCAD LKE	Jul 2014	Jan 2015	25	55,000.00	Y		May 2012
1.1) Mobile Facility Vans <sup>(7)</sup>		2015	Gichner Shelter / Dallastown, PA	C / TBD	NAWCAD LKE	Jul 2015	Jan 2016	38	50,394.74	N		May 2012
1.1) Mobile Facility Vans <sup>(7)</sup>		2016	Gichner Shelter / Dallastown, PA	C / TBD	NAWCAD LKE	Oct 2015	Apr 2016	60	54,066.67	N		May 2012
1.3) Environmental Control Units <sup>(8)</sup>		2014	Env. Sys. / Jacksonville, FL	C / FFP	NAWCAD LKE	Nov 2013	Apr 2014	30	3,000.00	Y		Nov 2011
1.3) Environmental Control Units <sup>(8)</sup>		2015	Env. Sys. / Jacksonville, FL	C / FFP	NAWCAD LKE	Nov 2014	Apr 2015	60	3,333.33	N		Nov 2011
1.3) Environmental Control Units <sup>(8)</sup>		2016	Env. Sys. / Jacksonville, FL	C / TBD	TBD	Oct 2015	Mar 2016	50	4,200.00	N		

**UNCLASSIFIED**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy															Date: February 2015					
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					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 - AE Courseware CBT (10)(t)	A		-	-	-	-	-	-	1,042K	2	2.083	1,956K	2	3.912	-	-	-	1,956K	2	3.912
1.2) A School - AME Environmental Control Systems (ECS) Trainers (11)(t)	A		-	-	-	-	-	-	10,000.00	17	0.170	-	-	-	-	-	-	-	-	-
1.3) A School - AE Electronic Classroom (ECR) (12)(t)	A		-	-	-	-	-	-	40,000.00	9	0.360	-	-	-	-	-	-	-	-	-
1.4) ACTS - Expeditionary Laptop Upgrades (13)(t)	A		-	-	0.146	2,560.00	50	0.128	3,040.00	50	0.152	2,820.00	50	0.141	-	-	-	2,820.00	50	0.141
1.5) ACTS - CONUS/ CVN Server Upgrades(t)	A		-	-	-	-	-	-	12,300.00	10	0.123	-	-	-	-	-	-	-	-	-
1.6) ATC - 15G34 Tower Simulation System (TSS) Procurement(t)	A		173,473.68	38	6.592	171,000.00	1	0.171	-	-	-	-	-	-	-	-	-	-	-	-
1.7) ATC - 15G30 Integrated Shipboard Information System (ISIS) Upgrade(t)	A		-	-	-	-	-	-	370,000.00	1	0.370	-	-	-	-	-	-	-	-	-
1.8) ATC - 15G34 Tower Simulation System (TSS) Block Upgrade(t)	A		-	-	-	340,000.00	1	0.340	-	-	-	-	-	-	-	-	-	-	-	-
1.9) ATC - Air Traffic Navigation, Integration & Coordination Sys (ATNAVICS)(t)	A		-	-	-	-	-	-	321,400.00	10	3.214	-	-	-	-	-	-	-	-	-
1.10) ATC - 15G31 Visual Information Display System (VIDS) Upgrade (14)(t)	A		-	-	-	-	-	-	-	-	-	2,640K	2	5.279	-	-	-	2,640K	2	5.279
1.11) ATC - Windows 7 Upgrade(t)	A		-	-	-	-	-	-	-	-	-	1,705.88	51	0.087	-	-	-	1,705.88	51	0.087
1.17) NASTP - Mixed Gas Hypoxia Chambers (15)(t)	A		-	-	-	-	-	-	-	-	-	371,500.00	8	2.972	-	-	-	371,500.00	8	2.972
1.19) NASTP - Reduced Oxygen	A		1,722.22	36	0.062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy															Date: February 2015					
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					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
Breathing Device Tech Refresh <sup>(†)</sup>																				
1.20) NASTP - Dynamic Ejection Trainer <sup>(†)</sup>	A		-	-	-	-	-	-	1,430K	2	2.860	-	-	-	-	-	-	-	-	
1.22) NASTP - Drag (9F2) Platforms <sup>(†)</sup>	A		44,750.00	4	0.179	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.25) NASTP - Windows 7 Upgrade <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	36,206.90	29	1.050	-	-	-	36,206.90	29	1.050
1.28) LSO - Training System Upgrades <sup>(†)</sup>	A		1,649K	1	1.649	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.29) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades <sup>(†)</sup>	A		-	-	2.265	394,000.00	1	0.394	425,000.00	1	0.425	408,000.00	1	0.408	-	-	-	408,000.00	1	0.408
1.30) Common ASW - Tactical Acoustic Intelligence (ACINT) Product Upgrades <sup>(†)</sup>	A		-	-	0.158	209,000.00	1	0.209	58,000.00	1	0.058	70,000.00	1	0.070	-	-	-	70,000.00	1	0.070
Subtotal: 1) Hardware			-	-	11.051	-	-	1.242	-	-	9.815	-	-	13.919	-	-	-	-	-	13.919
2) ILS																				
2.1) A School	A		-	-	-	-	-	-	-	-	0.082	-	-	0.030	-	-	-	-	-	0.030
2.2) ATC	A		-	-	0.303	-	-	0.142	-	-	0.280	-	-	0.286	-	-	-	-	-	0.286
2.3) NASTP	A		-	-	0.563	-	-	-	-	-	0.186	-	-	0.182	-	-	-	-	-	0.182
2.4) LSO	A		-	-	0.325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.5) Common ASW	A		-	-	0.037	-	-	0.001	-	-	0.008	-	-	0.007	-	-	-	-	-	0.007
Subtotal: 2) ILS			-	-	1.228	-	-	0.143	-	-	0.556	-	-	0.505	-	-	-	-	-	0.505
3) Production Engineering																				
3.1) A School	A		-	-	-	-	-	-	-	-	0.256	-	-	0.077	-	-	-	-	-	0.077
3.2) ACTS	A		-	-	0.011	-	-	0.003	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003
3.3) ATC	A		-	-	0.466	-	-	0.160	-	-	0.343	-	-	0.302	-	-	-	-	-	0.302
3.4) NASTP	A		-	-	4.901	-	-	-	-	-	0.233	-	-	0.218	-	-	-	-	-	0.218
3.5) LSO	A		-	-	0.868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.6) Common ASW	A		-	-	0.859	-	-	0.301	-	-	0.174	-	-	0.165	-	-	-	-	-	0.165
Subtotal: 3) Production Engineering			-	-	7.105	-	-	0.464	-	-	1.009	-	-	0.765	-	-	-	-	-	0.765
4) Non Recurring																				
4.1) Common ASW	A		-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> GENERAL SKILLS TRAINING				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal: 4) Non Recurring			-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>5) Acceptance Testing</b>																				
5.1) A School	A		-	-	-	-	-	-	-	-	0.034	-	-	-	-	-	-	-	-	-
5.2) ACTS	A		-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) ATC	A		-	-	0.023	-	-	0.011	-	-	0.063	-	-	0.040	-	-	-	-	-	0.040
5.4) NASTP	A		-	-	0.010	-	-	-	-	-	0.020	-	-	-	-	-	-	-	-	-
5.5) LSO	A		-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.6) Common ASW	A		-	-	0.099	-	-	0.001	-	-	0.026	-	-	0.026	-	-	-	-	-	0.026
Subtotal: 5) Acceptance Testing			-	-	0.197	-	-	0.012	-	-	0.143	-	-	0.066	-	-	-	-	-	0.066
<b>6) Production Support</b>																				
6.1) A School	A		-	-	-	-	-	-	-	-	0.118	-	-	0.062	-	-	-	-	-	0.062
6.2) ACTS	A		-	-	0.594	-	-	0.051	-	-	0.033	-	-	0.035	-	-	-	-	-	0.035
6.3) ATC	A		-	-	1.344	-	-	0.180	-	-	0.654	-	-	0.414	-	-	-	-	-	0.414
6.4) NASTP	A		-	-	1.083	-	-	-	-	-	0.214	-	-	0.194	-	-	-	-	-	0.194
6.5) LSO	A		-	-	0.557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) Common ASW	A		-	-	0.172	-	-	0.004	-	-	0.016	-	-	0.012	-	-	-	-	-	0.012
Subtotal: 6) Production Support			-	-	3.750	-	-	0.235	-	-	1.035	-	-	0.717	-	-	-	-	-	0.717
<b>Total</b>			-	-	<b>23.337</b>	-	-	<b>2.096</b>	-	-	<b>12.558</b>	-	-	<b>15.972</b>	-	-	-	-	-	<b>15.972</b>

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

**Footnotes:**

(10) In FY14, \$1,477,000 realigned from General Skill Training (0804731N) to Other Flight Training (0804743N). In FY15, \$1,087,000 realigned from General Skill Training (0804731N) to Other Flight Training (0804743N).

(11) Applies to all Hardware Upgrades: Total quantity and cost of device upgrades may vary year to year.

(12) Renaming: A School - AE Hardware/Electronic Classroom to A School - AE Electronic Classroom (ECR)

(13) All Items: Due to multiple Requiring Financial Managers (RFMs) in prior years, detailed breakout of prior year data is not available

(14) Upgrades do not increase inventory, thus no P20/P21 information is provided

(15) Renaming: APWST - Mixed Gas Hypoxia Trainer to NASTP - Mixed Gas Hypoxia Chambers

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Navy								<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1				<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment				<b>Aggregated Items:</b> 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
<b>1) Hardware</b>												
1.1) A School - AE Courseware CBT <sup>(10)</sup>		2015	TBD / TBD	C / CPFF	NAVSUP	Jul 2015	Jul 2016	2	1,042K	N	May 2015	May 2015
1.1) A School - AE Courseware CBT <sup>(10)</sup>		2016	TBD / TBD	C / CPFF	NAVSUP	Jan 2016	Jan 2017	2	1,956K	N	May 2015	May 2015
1.2) A School - AME Environmental Control Systems (ECS) Trainers <sup>(11)</sup>		2015	TBD / TBD	TBD	TBD	Mar 2015	Jun 2015	17	10,000.00	Y		Jan 2015
1.3) A School - AE Electronic Classroom (ECR) <sup>(12)</sup>		2015	TBD / TBD	TBD	TBD	Jun 2015	Oct 2015	9	40,000.00	Y		Mar 2015
1.4) ACTS - Expeditionary Laptop Upgrades <sup>(13)</sup>		2014	Bit Direct Inc. / Tampa, FL	C / FFP	NAVSUP	May 2014	Jun 2014	50	2,560.00	Y		Apr 2014
1.4) ACTS - Expeditionary Laptop Upgrades <sup>(13)</sup>		2015	TBD / TBD	C / FFP	NAVSUP	Feb 2015	Mar 2015	50	3,040.00	Y		Feb 2015
1.4) ACTS - Expeditionary Laptop Upgrades <sup>(13)</sup>		2016	TBD / TBD	C / FFP	NAVSUP	Feb 2016	Mar 2016	50	2,820.00	Y		Feb 2015
1.5) ACTS - CONUS/CVN Server Upgrades		2015	TBD / TBD	C / FFP	NAVSUP	Feb 2015	Mar 2015	10	12,300.00	Y		Feb 2015
1.6) ATC - 15G34 Tower Simulation System (TSS) Procurement		2012	UFA Inc / Gathersburg, MD	C / FFP	NAWCTSD	Oct 2012	Mar 2013	25	170,800.00	Y		Aug 2012
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 - FY14 / 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) Upgrade		2015	TBD / TBD	C / TBD	NAWCTSD	Jun 2015	Jan 2016	1	370,000.00	Y		
1.8) ATC - 15G34 Tower Simulation System (TSS) Block Upgrade		2014	UFA Inc / Gathersburg, MD	SS / FFP	NAWCTSD	Jan 2015	Mar 2015	1	340,000.00	Y		
1.9) ATC - Air Traffic Navigation, Integration & Coordination Sys (ATNAVICS)		2015	TBD / TBD	C / FFP	NAWCTSD	Jun 2015	Oct 2015	10	321,400.00	N	Jan 2015	Feb 2015
1.10) ATC - 15G31 Visual Information Display System (VIDS) Upgrade <sup>(14)</sup>		2016	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Aug 2016	2	2,640K	N	May 2015	Oct 2015
1.11) ATC - Windows 7 Upgrade		2016	TBD / TBD	C / TBD	NAWCTSD	Apr 2016	Sep 2016	51	1,705.88	Y		Oct 2015
1.17) NASTP - Mixed Gas Hypoxia Chambers <sup>(15)</sup>		2016	TBD / TBD	C / TBD	NAWCTSD	Feb 2016	May 2016	8	371,500.00	N	Oct 2015	Dec 2015



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2016 Navy</b>									<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1				<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment					<b>Aggregated Items:</b> GENERAL SKILLS TRAINING			
<b>Item Number / Title [DODIC]</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
1.19) NASTP - Reduced Oxygen Breathing Device Tech Refresh		2013	New Tech Solution / Fremont, CA	C / FFP	NAWCTSD	May 2014	Jun 2014	36	1,722.22	Y		Nov 2013
1.20) NASTP - Dynamic Ejection Trainer		2015	TBD / TBD	C / FFP	NAWCTSD	Mar 2015	Jun 2015	2	1,430K	N	Jan 2015	Jan 2015
1.22) NASTP - Drag (9F2) Platforms		2013	Industrial Smoke & Mirrors Inc / Orlando, FL	C / FFP	NAWCTSD	Feb 2014	Mar 2014	4	44,750.00	Y		Oct 2013
1.25) NASTP - Windows 7 Upgrade		2016	TBD / TBD	C / TBD	NAWCTSD	May 2016	Jun 2016	29	36,206.90	N	Oct 2015	Jan 2016
1.28) LSO - Training System Upgrades		2013	Triton JV, LLC / Orlando, FL	C / FFP	NAWCTSD	Nov 2013	Mar 2015	1	1,649K	Y		Jul 2013
1.29) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades		2014	General Dynamics IT Division / Fairfax, VA	C / CPFF	NSWC Carderock	Mar 2014	Mar 2015	1	394,000.00	Y		May 2012
1.29) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades		2015	General Dynamics IT Division / Fairfax, VA	C / CPFF	NSWC Carderock	Mar 2015	Mar 2016	1	425,000.00	Y		May 2012
1.29) Common ASW - Interactive Multi-Sensors Analysis Trainer (IMAT) Upgrades		2016	General Dynamics IT Division / Fairfax, VA	C / CPFF	NSWC Carderock	Mar 2016	Mar 2017	1	408,000.00	Y		May 2012
1.30) Common ASW - Tactical Acoustic Intelligence (ACINT) Product Upgrades		2014	Office of Naval Intelligence (ONI) / DC	PO	ONI	Dec 2013	Dec 2014	1	209,000.00	Y		
1.30) Common ASW - Tactical Acoustic Intelligence (ACINT) Product Upgrades		2015	Office of Naval Intelligence (ONI) - FY15 / DC	PO	ONI	Jan 2015	Nov 2015	1	58,000.00	Y		
1.30) Common ASW - Tactical Acoustic Intelligence (ACINT) Product Upgrades		2016	Office of Naval Intelligence (ONI) / DC	PO	ONI	Dec 2015	Nov 2016	1	70,000.00	Y		

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> TOPSCENE				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 <sup>(†)</sup>	A		1,142K	3	3.427	1,624K	1	1.624	863,000.00	1	0.863	1,173K	1	1.173	-	-	-	1,173K	1	1.173
Subtotal: 1) Mission Rehearsal Pre-Planned (Topscene)			-	-	3.427	-	-	1.624	-	-	0.863	-	-	1.173	-	-	-	-	-	1.173
2) ILS																				
2.1) Topscene	A		-	-	0.650	-	-	0.241	-	-	0.242	-	-	0.244	-	-	-	-	-	0.244
Subtotal: 2) ILS			-	-	0.650	-	-	0.241	-	-	0.242	-	-	0.244	-	-	-	-	-	0.244
3) Acceptance Testing																				
3.1) Topscene	A		-	-	1.041	-	-	0.370	-	-	0.380	-	-	0.368	-	-	-	-	-	0.368
Subtotal: 3) Acceptance Testing			-	-	1.041	-	-	0.370	-	-	0.380	-	-	0.368	-	-	-	-	-	0.368
Total			-	-	5.118	-	-	2.235	-	-	1.485	-	-	1.785	-	-	-	-	-	1.785

<sup>(t)</sup> indicates the presence of a P-5a

## UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1			P-1 Line Item Number / Title: 0705 / Common Ground Equipment					Aggregated Items: TOPSCENE				
Item Number / Title [DODIC]	OCO	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		
1.1) Product Improvement		2014	SAIC / San Diego, CA	SS / FFP	Redstone Arsenal, AL	Mar 2014	Jun 2015	1	1,624K	Y		
1.1) Product Improvement		2015	LOCKHEED MARTIN / Dallas, TX	SS / FFP	Navair	Mar 2015	Jun 2016	1	863,000.00	Y		
1.1) Product Improvement		2016	LOCKHEED MARTIN / Dallas, TX	SS / FFP	Navair	Mar 2016	Jun 2017	1	1,173K	Y		

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> OTHER FLIGHT TRAINING				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 <sup>(16)(t)</sup>	A		-	-	-	12,354K	1	12.354	-	-	-	4,593K	1	4.593	-	-	-	4,593K	1	4.593
1.2) CNATRA - TH-57 Projectors <sup>(t)</sup>	A		-	-	-	190,833.33	6	1.145	-	-	-	-	-	-	-	-	-	-	-	-
1.3) CNATRA - Windows 7 Upgrade <sup>(17)(t)</sup>	A		-	-	-	-	-	-	-	-	-	317,927.27	55	17.486	-	-	-	317,927.27	55	17.486
1.4) E-6 - SHARP Learning Management System <sup>(t)</sup>	A		287,000.00	1	0.287	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) E-6 - 4E13 Academic Learning Center <sup>(t)</sup>	A		56,000.00	1	0.056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) E-6 - Interactive Avionic Trainer Rehost <sup>(t)</sup>	A		-	-	-	-	-	-	2,204K	1	2.204	2,175K	1	2.175	-	-	-	2,175K	1	2.175
1.8) E-6 - Windows 7 Upgrade <sup>(t)</sup>	A		-	-	-	-	-	-	-	-	-	60,000.00	12	0.720	-	-	-	60,000.00	12	0.720
1.9) EA-6B - Device 11H163 Aircraft Maintenance Training Unit (AMTU) Rehost <sup>(t)</sup>	A		1,620K	1	1.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) EP-3 - 10H1 Device Upgrades <sup>(t)</sup>	A		1,467K	1	1.467	636,000.00	1	0.636	3,039K	1	3.039	339,000.00	1	0.339	-	-	-	339,000.00	1	0.339
1.11) FA-18 - Software Action Team (SWAT) Upgrades <sup>(t)</sup>	A		635,000.00	3	1.905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.12) FA-18 - Equipment Modernization <sup>(t)</sup>	A		4,444K	2	8.888	6,534K	1	6.534	4,549K	1	4.549	3,935K	1	3.935	-	-	-	3,935K	1	3.935
1.13) P-3C - 2F179A TORT Windows 7 Upgrade <sup>(18)(t)</sup>	A		-	-	-	218,666.67	3	0.656	-	-	-	-	-	-	-	-	-	-	-	-
1.14) P-3C - 14B58 REWT Windows 7 Upgrade <sup>(t)</sup>	A		-	-	-	-	-	-	446,000.00	1	0.446	-	-	-	-	-	-	-	-	-
1.15) P-3C - 14B59 FDT Windows 7 Upgrade <sup>(t)</sup>	A		-	-	-	-	-	-	250,000.00	2	0.500	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> OTHER FLIGHT TRAINING				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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) P-3C - 2F87 OFT Tech Refresh (19)(†)	A		-	-	-	-	-	-	462,000.00	2	0.924	-	-	-	-	-	-	-	-	-
1.17) P-3C - 2F179A TORT Tech Refresh <sup>(†)</sup>	A		-	-	-	-	-	-	525,000.00	2	1.050	-	-	-	-	-	-	-	-	-
1.18) UMFO Training - Multi-Crew Simulator Trainer (MCS) <sup>(†)</sup>	A		13,599K	1	13.599	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.19) UMFO Training - MCS Block 1A Upgrade <sup>(20)(†)</sup>	A		990,000.00	1	0.990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.20) UMFO Training - MCS Block 1B Upgrade <sup>(†)</sup>	A		-	-	-	-	-	-	1,500K	1	1.500	-	-	-	-	-	-	-	-	-
1.21) UMFO Training - Windows 7 Upgrade <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	248,000.00	2	0.496	-	-	-	248,000.00	2	0.496
1.22) USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Tech Upgrade <sup>(†)</sup>	A		-	-	-	86,000.00	2	0.172	6,764K	1	6.764	6,015K	1	6.015	-	-	-	6,015K	1	6.015
1.23) USMC Fed Sim - Marine Common Aircrew Trainer (MCAT) Upgrades <sup>(21)</sup>	A		950,000.00	1	0.950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.24) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD) <sup>(†)</sup>	A		-	-	-	-	-	-	9,352K	3	28.057	8,415K	3	25.245	-	-	-	8,415K	3	25.245
1.26) USMC Fed Sim - CH-53E Aircrew Procedure Trnr 2F190-2/2F190-1 Upgrades <sup>(22)(†)</sup>	A		5,790K	1	5.790	4,101K	1	4.101	-	-	-	-	-	-	-	-	-	-	-	-
1.28) USMC Fed Sim - CH-53E 2F174-1&2 Weapon Sys Trnr (WST) Visual Upgrades <sup>(23)(†)</sup>	A		-	-	-	6,958K	1	6.958	7,196K	1	7.196	-	-	-	-	-	-	-	-	-
1.29) USMC Fed Sim - CH-53E External Trainers <sup>(†)</sup>	A		883,000.00	2	1.766	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.30) USMC Fed Sim - KC-130J Upgrades <sup>(24)(†)</sup>	A		6,955K	1	6.955	6,601K	1	6.601	9,077K	1	9.077	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> OTHER FLIGHT TRAINING				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
1.31) USMC Fed Sim - AH-1Z Flight Training Device (FTD) Tech/Visual Upgrades <sup>(†)</sup>	A		-	-	-	32,000.00	1	0.032	-	-	-	-	-	-	-	-	-	-	-	-
1.32) USMC Fed Sim - AH-1Z Full Flight Simulator (FFS) Tech/Visual Upgrades <sup>(25)(†)</sup>	A		7,329K	1	7.329	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.33) USMC Fed Sim - UH-1Y Flight Training Device (FTD) Tech/Visual Upgrades <sup>(26)(†)</sup>	A		7,530K	1	7.530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.34) USMC Fed Sim - UH-1Y Full Flight Simulator (FFS) Tech/Visual Upgrades <sup>(27)(†)</sup>	A		8,192K	1	8.192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.36) USMC Fed Sim - FA-18 TOFT 16/28/30/31/32/33/34/35/36/37/38/40 Upgrades <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	6,361K	2	12.722	-	-	-	6,361K	2	12.722
1.37) USMC Fed Sim - FA-18 TOFT Upgrades Japan <sup>(†)</sup>	A		-	-	-	-	-	-	1,824K	2	3.649	-	-	-	-	-	-	-	-	-
1.38) USMC Fed Sim - AV-8B 2F150A/B/C/D/E WST Tech/Visual Upgrades <sup>(28)(†)</sup>	A		-	-	-	-	-	-	-	-	-	3,836K	3	11.507	-	-	-	3,836K	3	11.507
1.39) USMC Fed Sim - AV-8B Maintenance Trainer Upgrades <sup>(†)</sup>	A		927,250.00	4	3.709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.40) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer <sup>(†)</sup>	A		-	-	-	688,250.00	12	8.259	-	-	-	-	-	-	-	-	-	-	-	-
1.41) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer Upgrades <sup>(†)</sup>	A		921,250.00	4	3.685	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.42) USMC Fed Sim - VH-3/60 Upgrades <sup>(†)</sup>	A		-	-	-	909,000.00	1	0.909	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> OTHER FLIGHT TRAINING				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
1.43) USMC Fed Sim - VH-3/60 APT Visual Database Upgrades <sup>(†)</sup>	A		-	-	-	995,000.00	1	0.995	-	-	-	-	-	-	-	-	-	-	-	-
1.44) USMC Fed Sim - USMC Training Continuum Integration Upgrades <sup>(†)</sup>	A		138,000.00	1	0.138	143,000.00	1	0.143	424,000.00	1	0.424	-	-	-	-	-	-	-	-	-
1.46) USMC Fed Sim - Windows 7 Upgrade <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	2,644K	1	2.644	-	-	-	2,644K	1	2.644
1.47) E-2/C-2 - E2 Weapons Systems Trainer (WST) IOS Upgrades <sup>(29)(†)</sup>	A		2,801K	2	5.602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.48) E-2/C-2 - E2 Weapons Systems Trainer (WST) Tech Upgrades <sup>(†)</sup>	A		1,256K	2	2.512	-	-	-	-	-	-	1,732K	2	3.465	-	-	-	1,732K	2	3.465
1.49) E-2/C-2 - E2 Simulated Maintenance Trainer (SMT) Tech Upgrades <sup>(†)</sup>	A		2,208K	1	2.208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.50) E-2/C-2 - C2 Operational Flight Trainer (OFT) Tech Upgrades <sup>(30)(†)</sup>	A		-	-	-	6,013K	1	6.013	-	-	-	-	-	-	-	-	-	-	-	-
1.51) E-2/C-2 - Enhanced Distributed Readiness Trainer (EDRT) Tech Upgrades <sup>(†)</sup>	A		136,250.00	4	0.545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.53) H-60 - Windows 7 Upgrade <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	250,700.00	10	2.507	-	-	-	250,700.00	10	2.507
1.54) MH-53 - Air Mine Countermeasure Stream & Recovery Mod (ASRM) Upgrades <sup>(†)</sup>	A		1,380K	1	1.380	235,000.00	1	0.235	-	-	-	-	-	-	-	-	-	-	-	-
1.55) MH-53 - 2H165 Air Mine Countermeasure (AVCM) Config Trainer Upgrades <sup>(31)(†)</sup>	A		1,033K	1	1.033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment							<b>Aggregated Items Title:</b> OTHER FLIGHT TRAINING				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
1.56) MH-53 - 2H165 Cargo Trainer Upgrades <sup>(32)(†)</sup>	A		632,000.00	1	0.632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.57) MH-53 - 2F141 Operational Flight Trainer (OFT) Upgrades <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	628,000.00	1	0.628	-	-	-	628,000.00	1	0.628
1.58) MH-53 - 2H162 Enhanced Aircrew External Trainer Upgrades <sup>(33)(†)</sup>	A		662,000.00	1	0.662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.59) MH-53 - Manual of Operation and Maintenance Instructions (MOMI) Update <sup>(†)</sup>	A		-	-	-	12,000.00	1	0.012	-	-	-	-	-	-	-	-	-	-	-	-
1.60) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades <sup>(†)</sup>	A		-	-	-	275,000.00	1	0.275	375,000.00	3	1.125	375,000.00	2	0.750	-	-	-	375,000.00	2	0.750
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) <sup>(†)</sup>	A		12,969K	1	12.969	-	-	-	6,239K	1	6.239	6,046K	2	12.093	-	-	-	6,046K	2	12.093
1.62) NASMP - H-60S Technology Refresh Upgrades <sup>(34)(†)</sup>	A		-	-	-	3,821K	6	22.925	-	-	-	-	-	-	-	-	-	-	-	-
1.63) NASMP - H-60R Technology Refresh Upgrades <sup>(35)(†)</sup>	A		-	-	-	11,717K	1	11.717	-	-	-	3,063K	2	6.126	-	-	-	3,063K	2	6.126
1.64) NASMP - MH-60R Naval Aircrew Training Systems (NATS) <sup>(†)</sup>	A		9,720K	2	19.440	-	-	-	8,132K	1	8.132	-	-	-	-	-	-	-	-	-
1.65) NASMP - MH-60 Threat Attributes Production (JSAF) <sup>(†)</sup>	A		-	-	-	798,000.00	1	0.798	-	-	-	-	-	-	-	-	-	-	-	-
1.66) NASMP - FA/EA-18 - System Fidelity Upgrades (TECR) <sup>(36)(†)</sup>	A		15,434K	1	15.434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.68) NASMP - FA/EA-18 Visual Display Upgrades <sup>(37)(†)</sup>	A		1,367K	11	15.036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



**UNCLASSIFIED**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy															Date: February 2015					
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					
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.																				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
1.70) NASMP - FA/EA-18 NGTS v3.0 Upgrade <sup>(†)</sup>	A		1,449K	1	1.449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.71) NASMP - FA/EA-18 Weps Fidelity Upgrade <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	3,000K	1	3.000	-	-	-	3,000K	1	3.000
1.72) NASMP - FA/EA-18 Seat Upgrade <sup>(38)(†)</sup>	A		-	-	-	-	-	-	969,400.00	5	4.847	850,000.00	6	5.100	-	-	-	850,000.00	6	5.100
1.73) NASMP - FA/EA-18 Blue Forces Visual Data Base (VDB) Upgrade <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	1,400K	1	1.400	-	-	-	1,400K	1	1.400
1.76) NASMP - FA/EA-18 Airborne Electronic Attack (AEA) Model Upgrade <sup>(39)(†)</sup>	A		-	-	-	-	-	-	-	-	-	7,878K	1	7.878	-	-	-	7,878K	1	7.878
1.79) NASMP - FA/EA-18 SAN Disk Upgrade <sup>(40)(†)</sup>	A		-	-	-	569,695.65	23	13.103	-	-	-	-	-	-	-	-	-	-	-	-
1.82) NASMP - FA/EA-18 NASMP 1.4 / Fleet Synthetic Training (FST) Upgrade <sup>(41)(†)</sup>	A		-	-	-	-	-	-	-	-	-	2,294K	1	2.294	-	-	-	2,294K	1	2.294
1.84) NASMP - FA/EA-18 Aural Cueing HW Upgrade <sup>(42)(†)</sup>	A		-	-	-	-	-	-	347,826.09	23	8.000	-	-	-	-	-	-	-	-	-
1.87) NASMP - FA/EA-18 Next Generation Threat System (NGTS) Upgrades v3.2 <sup>(†)</sup>	A		-	-	-	-	-	-	6,000K	1	6.000	-	-	-	-	-	-	-	-	-
1.88) NASMP - FA/EA-18 Windows 7 Upgrade <sup>(†)</sup>	A		1,499K	1	1.499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.89) NASMP - FA/EA-18 - TOFT Mission Upgrade <sup>(43)(†)</sup>	A		-	-	-	-	-	-	-	-	-	3,000K	1	3.000	-	-	-	3,000K	1	3.000
1.90) NASMP - Common Acoustic Simulation	A		-	-	-	-	-	-	-	-	-	11,000K	1	11.000	-	-	-	11,000K	1	11.000

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1						<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment									<b>Aggregated Items Title:</b> OTHER FLIGHT TRAINING				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
Environment (CASE) Upgrade <sup>(44)(†)</sup>																				
1.93) NASMP - Joint Simulation Bus (JBUS) Upgrades <sup>(†)</sup>	A		-	-	-	309,000.00	1	0.309	-	-	-	-	-	-	-	-	-	-	-	-
1.94) LVC - FA-18 OFP Training System Upgrade <sup>(†)</sup>	A		-	-	-	-	-	-	-	-	-	7,136K	1	7.136	-	-	-	7,136K	1	7.136
<i>Subtotal: 1) Hardware</i>			-	-	155.257	-	-	104.882	-	-	103.722	-	-	154.254	-	-	-	-	-	154.254
<b>2) ILS</b>																				
2.1) CNATRA	A		-	-	0.202	-	-	0.436	-	-	-	-	-	0.320	-	-	-	-	-	0.320
2.2) E-6	A		-	-	0.341	-	-	-	-	-	0.038	-	-	0.071	-	-	-	-	-	0.071
2.3) EA-6B	A		-	-	1.258	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) EP-3	A		-	-	0.099	-	-	0.052	-	-	0.058	-	-	0.144	-	-	-	-	-	0.144
2.5) FA-18	A		-	-	0.690	-	-	0.115	-	-	0.083	-	-	0.088	-	-	-	-	-	0.088
2.6) P-3C	A		-	-	0.230	-	-	0.012	-	-	-	-	-	-	-	-	-	-	-	-
2.7) UMFO Training	A		-	-	0.675	-	-	-	-	-	0.111	-	-	-	-	-	-	-	-	-
2.8) USMC Federation Simulators	A		-	-	5.643	-	-	1.858	-	-	1.643	-	-	1.658	-	-	-	-	-	1.658
2.9) E-2/C-2	A		-	-	0.364	-	-	0.396	-	-	-	-	-	0.198	-	-	-	-	-	0.198
2.10) H-60	A		-	-	-	-	-	-	-	-	-	-	-	0.184	-	-	-	-	-	0.184
2.11) MH-53	A		-	-	0.391	-	-	0.366	-	-	-	-	-	0.158	-	-	-	-	-	0.158
2.12) NASMP	A		-	-	3.641	-	-	1.353	-	-	1.996	-	-	1.895	-	-	-	-	-	1.895
2.13) LVC	A		-	-	-	-	-	-	-	-	-	-	-	0.050	-	-	-	-	-	0.050
<i>Subtotal: 2) ILS</i>			-	-	13.534	-	-	4.588	-	-	3.929	-	-	4.766	-	-	-	-	-	4.766
<b>3) Production Engineering</b>																				
3.1) CNATRA	A		-	-	0.876	-	-	1.639	-	-	-	-	-	3.839	-	-	-	-	-	3.839
3.2) E-6	A		-	-	1.644	-	-	-	-	-	0.443	-	-	0.507	-	-	-	-	-	0.507
3.3) EA-6B	A		-	-	2.718	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) EP-3	A		-	-	0.446	-	-	0.164	-	-	0.154	-	-	0.164	-	-	-	-	-	0.164
3.5) FA-18	A		-	-	7.390	-	-	2.413	-	-	1.954	-	-	2.405	-	-	-	-	-	2.405
3.6) P-3C	A		-	-	0.605	-	-	0.061	-	-	-	-	-	-	-	-	-	-	-	-
3.7) UMFO Training	A		-	-	3.706	-	-	-	-	-	0.399	-	-	0.098	-	-	-	-	-	0.098
3.8) USMC Federation Simulators	A		-	-	15.735	-	-	5.072	-	-	4.231	-	-	4.150	-	-	-	-	-	4.150
3.9) E-2/C-2	A		-	-	1.037	-	-	0.806	-	-	-	-	-	0.276	-	-	-	-	-	0.276
3.10) H-60	A		-	-	-	-	-	-	-	-	-	-	-	1.089	-	-	-	-	-	1.089
3.11) MH-53	A		-	-	0.655	-	-	0.688	-	-	-	-	-	0.319	-	-	-	-	-	0.319

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy</b>																<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment								<b>Aggregated Items Title:</b> OTHER FLIGHT TRAINING			

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.12) NASMP	A		-	-	36.220	-	-	13.184	-	-	12.898	-	-	12.162	-	-	-	-	-	12.162
3.13) LVC	A		-	-	-	-	-	-	-	-	-	-	-	0.870	-	-	-	-	-	0.870
<i>Subtotal: 3) Production Engineering</i>			-	-	71.032	-	-	24.027	-	-	20.079	-	-	25.879	-	-	-	-	-	25.879
<b>4) Acceptance Testing</b>																				
4.1) CNATRA	A		-	-	0.056	-	-	0.223	-	-	-	-	-	0.160	-	-	-	-	-	0.160
4.2) E-6	A		-	-	0.089	-	-	-	-	-	0.020	-	-	0.061	-	-	-	-	-	0.061
4.3) EA-6B	A		-	-	0.894	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4) EP-3	A		-	-	0.103	-	-	0.004	-	-	0.030	-	-	0.102	-	-	-	-	-	0.102
4.5) P-3C	A		-	-	0.376	-	-	0.018	-	-	-	-	-	-	-	-	-	-	-	-
4.6) UMFO Training	A		-	-	0.183	-	-	-	-	-	0.124	-	-	-	-	-	-	-	-	-
4.7) USMC Federation Simulators	A		-	-	0.762	-	-	0.390	-	-	0.381	-	-	0.387	-	-	-	-	-	0.387
4.8) H-60	A		-	-	-	-	-	-	-	-	-	-	-	0.184	-	-	-	-	-	0.184
4.9) NASMP	A		-	-	2.426	-	-	1.352	-	-	1.383	-	-	1.514	-	-	-	-	-	1.514
4.10) LVC	A		-	-	-	-	-	-	-	-	-	-	-	0.050	-	-	-	-	-	0.050
<i>Subtotal: 4) Acceptance Testing</i>			-	-	4.889	-	-	1.987	-	-	1.938	-	-	2.458	-	-	-	-	-	2.458
<b>5) Production Support</b>																				
5.1) CNATRA	A		-	-	0.346	-	-	0.889	-	-	-	-	-	0.580	-	-	-	-	-	0.580
5.2) E-6	A		-	-	0.585	-	-	-	-	-	0.307	-	-	0.352	-	-	-	-	-	0.352
5.3) EA-6B	A		-	-	2.227	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.4) EP-3	A		-	-	0.931	-	-	0.273	-	-	0.281	-	-	0.502	-	-	-	-	-	0.502
5.5) FA-18	A		-	-	1.587	-	-	0.300	-	-	0.159	-	-	0.157	-	-	-	-	-	0.157
5.6) P-3C	A		-	-	1.070	-	-	0.185	-	-	0.200	-	-	-	-	-	-	-	-	-
5.7) UMFO Training	A		-	-	1.779	-	-	-	-	-	0.366	-	-	-	-	-	-	-	-	-
5.8) E-2/C-2	A		-	-	0.517	-	-	0.210	-	-	-	-	-	0.091	-	-	-	-	-	0.091
5.9) H-60	A		-	-	-	-	-	-	-	-	-	-	-	0.368	-	-	-	-	-	0.368
5.10) MH-53	A		-	-	0.451	-	-	0.334	-	-	-	-	-	0.171	-	-	-	-	-	0.171
5.11) USMC Federation Simulators	A		-	-	13.238	-	-	5.060	-	-	4.296	-	-	4.206	-	-	-	-	-	4.206
5.12) NASMP	A		-	-	21.428	-	-	7.823	-	-	8.687	-	-	8.459	-	-	-	-	-	8.459
5.13) LVC	A		-	-	-	-	-	-	-	-	-	-	-	0.300	-	-	-	-	-	0.300
<i>Subtotal: 5) Production Support</i>			-	-	44.159	-	-	15.074	-	-	14.296	-	-	15.186	-	-	-	-	-	15.186
<b>Total</b>			-	-	<b>288.871</b>	-	-	<b>150.558</b>	-	-	<b>143.964</b>	-	-	<b>202.543</b>	-	-	-	-	-	<b>202.543</b>

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1	<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment	<b>Aggregated Items Title:</b> OTHER FLIGHT TRAINING

(†) indicates the presence of a P-5a

**Footnotes:**

- (16) In FY14, \$1,477,000 realigned from General Skill Training (0804731N) to Other Flight Training (0804743N). In FY15, \$1,087,000 realigned from General Skill Training (0804731N) to Other Flight Training (0804743N). Upgrades do not increase inventory, thus no P20/P21 information is provided
- (17) Applies to all Hardware Upgrades: Total quantity and cost of device upgrades may vary year to year. Upgrades do not increase inventory, thus no P20/P21 information is provided
- (18) Renaming: P-3C - Windows 7 Upgrade to P-3C - 2F179A TORT Windows 7 Upgrade
- (19) Renaming: P-3C - 2F87 Tech Refresh to P-3C - 2F87 OFT Tech Refresh
- (20) Renaming: UMFO Training - MCS Block 1 Upgrade to UMFO Training - MCS Block 1A Upgrade
- (21) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (22) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (23) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (24) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (25) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (26) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (27) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (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) Renaming: MH-53 - Air Mine Countermeasure (AVCM) Config Trainer Procurement to MH-53 - 2H165 Air Mine Countermeasure (AVCM) Config Trainer Upgrades
- (32) Renaming: MH-53 - Cargo Trainer to MH-53 - 2H165 Cargo Trainer Upgrades
- (33) Renaming: MH-53 - Enhanced Aircrew External Trainer Upgrade to MH-53 - 2H162 Enhanced Aircrew External Trainer Upgrades
- (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) Upgrades do not increase inventory, thus no P20/P21 information is provided
- (38) Renaming: NASMP - FA/EA-18 G Seat Upgrade to NASMP - FA/EA-18 Seat Upgrade 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
- (41) Renaming: NASMP - FA/EA-18 NASMP 1.4 Upgrade to NASMP - FA/EA-18 NASMP 1.4 / Fleet Synthetic Training (FST) Upgrade
- (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

**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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 <sup>(16)</sup>		2014	TBD / TBD	C / FFP	NAWCTSD	Aug 2015	Sep 2017	1	12,354K	N	Jan 2015	Jan 2015
1.1) CNATRA - T-45 Operational Flight Trainer (OFT) Upgrades <sup>(16)</sup>		2016	TBD - FY16 / TBD	C / FFP	NAWCTSD	Jun 2016	Sep 2018	1	4,593K	N	Jan 2015	Jan 2015
1.2) CNATRA - TH-57 Projectors		2014	Fidelity / Whiting Field, FL	SS / FFP	NAWCTSD	Dec 2014	Mar 2015	6	190,833.33	Y		
1.3) CNATRA - Windows 7 Upgrade <sup>(17)</sup>		2016	TBD / TBD	C / TBD	NAWCTSD	Dec 2015	Sep 2016	55	317,927.27	N	Jul 2015	Sep 2015
1.4) E-6 - SHARP Learning Management System		2013	Carley Group / Orlando, FL	C / FFP	NAWCTSD	Aug 2014	Jun 2015	1	287,000.00	Y		Feb 2012
1.5) E-6 - 4E13 Academic Learning Center		2013	L-3 / Tinker, OK	C / FFP	NAWCTSD	Sep 2014	Mar 2015	1	56,000.00	Y		Jan 2006
1.6) E-6 - Interactive Avionic Trainer Rehost		2015	TBD / TBD	C / FFP	NAWCTSD	Mar 2015	Mar 2016	1	2,204K	Y		Feb 2015
1.6) E-6 - Interactive Avionic Trainer Rehost		2016	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Mar 2017	1	2,175K	Y		Feb 2015
1.8) E-6 - Windows 7 Upgrade		2016	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Mar 2017	12	60,000.00	Y		Aug 2015
1.9) EA-6B - Device 11H163 Aircraft Maintenance Training Unit (AMTU) Rehost		2013	CTI / California, MD	SS / CPFF	NAWCWD	Nov 2013	Mar 2015	1	1,620K	Y		
1.10) EP-3 - 10H1 Device Upgrades		2013	CACI / Beavercreek, OH	SS / CPFF	NSMA	Dec 2014	Mar 2016	1	1,467K	Y		
1.10) EP-3 - 10H1 Device Upgrades		2014	CACI / Beavercreek, OH	SS / CPFF	NSMA	Oct 2015	Sep 2017	1	636,000.00	Y		
1.10) EP-3 - 10H1 Device Upgrades		2015	CACI / Beavercreek, OH	SS / CPFF	NSMA	Oct 2015	Sep 2017	1	3,039K	Y		
1.10) EP-3 - 10H1 Device Upgrades		2016	CACI / Beavercreek, OH	SS / CPFF	NSMA	Oct 2015	Sep 2017	1	339,000.00	Y		
1.11) FA-18 - Software Action Team (SWAT) Upgrades		2013	L3 Communications / Arlington, VA	SS / FFP	NAWCTSD	Dec 2013	Jan 2015	1	632,000.00	Y		
1.12) FA-18 - Equipment Modernization		2014	L3 Communications / Arlington, VA	SS / FFP	NAWCTSD	Mar 2015	Jan 2017	1	6,534K	Y		
1.12) FA-18 - Equipment Modernization		2015	L3 Communications / Arlington, VA	SS / FFP	NAWCTSD	Apr 2015	Apr 2016	1	4,549K	Y		
1.12) FA-18 - Equipment Modernization		2016	L3 Communications / Arlington, VA	SS / FFP	NAWCTSD	Apr 2016	Apr 2017	1	3,935K	Y		
1.13) P-3C - 2F179A TORT Windows 7 Upgrade <sup>(18)</sup>		2014	NAWCTSD / Orlando, FL	PO	NAWCTSD	Nov 2014	Nov 2015	3	218,666.67	Y		
1.14) P-3C - 14B58 REWT Windows 7 Upgrade		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Feb 2015	Oct 2015	1	446,000.00	Y		
1.15) P-3C - 14B59 FDT Windows 7 Upgrade		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Feb 2015	Dec 2015	2	250,000.00	Y		

**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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
1.16) P-3C - 2F87 OFT Tech Refresh <sup>(19)</sup>		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Jan 2015	Jul 2017	2	462,000.00	Y		
1.17) P-3C - 2F179A TORT Tech Refresh		2015	NAWCTSD / Orlando, FL	PO	NAWCTSD	Aug 2015	Aug 2017	2	525,000.00	Y		
1.18) UMFO Training - Multi-Crew Simulator Trainer (MCS) <sup>(†)</sup>		2011	CAE / Tampa, FL	C / FPIF	NAWCTSD	Sep 2011	Jan 2015	1	13,599K	Y		Sep 2010
1.19) UMFO Training - MCS Block 1A Upgrade <sup>(20)</sup>		2013	CAE / Tampa, FL	C / FFP	NAWCTSD	Mar 2014	Jan 2015	1	990,000.00	Y		Jul 2013
1.20) UMFO Training - MCS Block 1B Upgrade		2015	CAE / Tampa, FL	SS / FFP	NAWCTSD	Mar 2015	Sep 2016	1	1,500K	Y		
1.21) UMFO Training - Windows 7 Upgrade		2016	TBD / TBD	TBD	NAWCTSD	Dec 2015	Sep 2016	2	248,000.00	N	Jul 2015	Sep 2015
1.22) USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Tech Upgrade		2014	Atlantic Commtech / Norfolk, VA	C / FFP	SPAWAR	Sep 2014	Jan 2015	2	86,000.00	Y		Aug 2014
1.22) USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Tech Upgrade		2015	TBD / TBD	C / FFP	NAWCTSD	Jun 2015	Jun 2017	1	6,764K	Y		Dec 2014
1.22) USMC Fed Sim - Aviation Dist Virtual Trng Environ (ADVTE) Tech Upgrade		2016	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Mar 2017	1	6,015K	Y		Oct 2015
1.24) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD) <sup>(†)</sup>		2015	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Jun 2018	3	9,352K	Y		Jun 2015
1.24) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD) <sup>(†)</sup>		2016	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	May 2019	3	8,415K	Y		Jun 2015
1.26) USMC Fed Sim - CH-53E Aircrew Procedure Trnr 2F190-2/2F190-1 Upgrades <sup>(22)</sup>		2013	TBD / TBD	C / FFP	NAWCTSD	Mar 2015	Mar 2017	1	5,790K	Y		Nov 2014
1.26) USMC Fed Sim - CH-53E Aircrew Procedure Trnr 2F190-2/2F190-1 Upgrades <sup>(22)</sup>		2014	TBD / TBD	C / FFP	NAWCTSD	Mar 2015	Jun 2017	1	4,101K	Y		Nov 2014
1.28) USMC Fed Sim - CH-53E 2F174-1&2 Weapon Sys Trnr (WST) Visual Upgrades <sup>(23)</sup>		2014	TBD / TBD	C / FFP	NAWCTSD	Mar 2015	Mar 2017	1	6,958K	Y		Nov 2014
1.28) USMC Fed Sim - CH-53E 2F174-1&2 Weapon Sys Trnr (WST) Visual Upgrades <sup>(23)</sup>		2015	TBD / TBD	C / FFP	NAWCTSD	Mar 2015	Jun 2017	1	7,196K	Y		Nov 2014

**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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
1.29) USMC Fed Sim - CH-53E External Trainers		2012	Pathfinder Systems / Denver, CO	C / FFP	NAWCTSD	Jan 2014	Mar 2015	2	882,769.00	Y		Sep 2013
1.30) USMC Fed Sim - KC-130J Upgrades <sup>(24)</sup>		2014	Lockheed Martin / Orlando, FL	C / FFP	USAF MATL CMD	Jul 2014	Jul 2016	1	6,601K	N		Aug 2013
1.30) USMC Fed Sim - KC-130J Upgrades <sup>(24)</sup>		2015	Lockheed Martin / Orlando, FL	C / FFP	USAF MATL CMD	Jun 2015	Sep 2016	1	9,077K	N		Feb 2015
1.31) USMC Fed Sim - AH-1Z Flight Training Device (FTD) Tech/Visual Upgrades		2014	Echelon Technology / San Francisco, CA	SS / FFP	NAWCTSD	Aug 2014	Dec 2014	1	32,000.00	Y		Jul 2014
1.32) USMC Fed Sim - AH-1Z Full Flight Simulator (FFS) Tech/Visual Upgrades <sup>(25)</sup>		2013	Bell Textron / Providence, RI	SS / FFP	NAWCTSD	Sep 2013	Aug 2015	1	7,329K	Y		
1.33) USMC Fed Sim - UH-1Y Flight Training Device (FTD) Tech/ Visual Upgrades <sup>(26)</sup>		2013	Bell Textron / Providence, RI	SS / FFP	NAWCTSD	Sep 2013	Aug 2015	1	7,530K	Y		
1.34) USMC Fed Sim - UH-1Y Full Flight Simulator (FFS) Tech/Visual Upgrades <sup>(27)</sup>		2013	Bell Textron / Providence, RI	SS / FFP	NAWCTSD	Sep 2013	Aug 2015	1	8,192K	Y		
1.36) USMC Fed Sim - FA-18 TOFT 16/28/30/31/32/33/34/35/36/ 37/38/40 Upgrades		2016	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Mar 2017	2	6,361K	Y		Oct 2015
1.37) USMC Fed Sim - FA-18 TOFT Upgrades Japan		2015	TBD / TBD	C / FFP	NAWCTSD	Sep 2015	Sep 2016	2	1,824K	Y		Mar 2015
1.38) USMC Fed Sim - AV-8B 2F150A/B/C/D/E WST Tech/Visual Upgrades <sup>(28)</sup>		2016	TBD / TBD	C / FFP	NAWCTSD	Oct 2015	Oct 2017	3	3,836K	Y		Oct 2014
1.39) USMC Fed Sim - AV-8B Maintenance Trainer Upgrades		2013	TBD / TBD	C / FFP	NAWCTSD	Sep 2014	Sep 2015	4	927,250.00	Y		Feb 2014
1.40) USMC Fed Sim - AV-8B Deployable Mission Rehearsal Trainer		2014	TBD / TBD	C / FFP	NAWCTSD	May 2015	May 2016	12	688,250.00	Y		Oct 2014
1.41) USMC Fed Sim - AV-8B Depolyable Mission Rehearsal Trainer Upgrades		2013	Cymstar LLC / Broken Arrow, OK	C / FFP	NAWCTSD	Sep 2014	Sep 2015	4	921,250.00	Y		Feb 2014
1.42) USMC Fed Sim - VH-3/60 Upgrades		2014	J.F. Taylor Inc / Lexington Park, MD	C / FFP	NAWCTSD	Nov 2014	Feb 2016	1	909,000.00	Y		Jul 2014
1.43) 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		

## UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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
1.44) USMC Fed Sim - USMC Training Continuum Integration Upgrades		2014	Organizational Strategies, INC / Arlington, VA	SS / FFP	NAWCAD LKE	Aug 2014	Nov 2014	1	143,000.00	Y		
1.44) USMC Fed Sim - USMC Training Continuum Integration Upgrades		2015	Organizational Strategies, INC / Arlington, VA	SS / FFP	NAWCAD LKE	Dec 2014	Mar 2015	1	424,000.00	Y		
1.46) USMC Fed Sim - Windows 7 Upgrade		2016	TBD / TBD	C / FFP	NAWCTSD	Mar 2016	Mar 2017	1	2,644K	Y		Oct 2015
1.47) E-2/C-2 - E2 Weapons Systems Trainer (WST) IOS Upgrades <sup>(29)</sup>		2012	Rockwell Collins / Sterling, VA	C / FFP	NAWCTSD	Jul 2012	Jan 2015	2	2,801K	Y		Mar 2012
1.48) E-2/C-2 - E2 Weapons Systems Trainer (WST) Tech Upgrades		2011	Rockwell Collins / Sterling, VA	C / FFP	NAWCTSD	Mar 2012	Jan 2015	2	1,256K	Y		May 2011
1.48) E-2/C-2 - E2 Weapons Systems Trainer (WST) Tech Upgrades		2016	TBD / TBD	C / FFP	NAWCTSD	Dec 2015	Dec 2016	2	1,732K	N	Jun 2015	Jun 2015
1.49) E-2/C-2 - E2 Simulated Maintenance Trainer (SMT) Tech Upgrades		2011	Rockwell Collins / Sterling, VA	C / FFP	NAWCTSD	Mar 2012	Feb 2015	1	2,208K	Y		May 2011
1.50) E-2/C-2 - C2 Operational Flight Trainer (OFT) Tech Upgrades <sup>(30)</sup>		2014	TBD / TBD	C / FFP	NAWCTSD	Jun 2015	Mar 2018	1	6,013K	N	Jan 2015	Mar 2015
1.51) E-2/C-2 - Enhanced Distributed Readiness Trainer (EDRT) Tech Upgrades		2011	NAWCAD / Patuxent River, MD	PO	NAWCAD PAX	Aug 2012	Feb 2015	4	136,250.00	Y		
1.53) H-60 - Windows 7 Upgrade		2016	TBD / TBD	TBD	TBD	Mar 2016	Feb 2017	10	250,700.00	Y		
1.54) MH-53 - Air Mine Countermeasure Stream & Recovery Mod (ASRM) Upgrades		2011	NSWC PCD / Panama City, FL	PO	NAWCTSD	Jan 2013	Jan 2015	1	1,380K	Y		
1.54) MH-53 - Air Mine Countermeasure Stream & Recovery Mod (ASRM) Upgrades		2014	NSWC PCD / Panama City, FL	PO	NAWCTSD	Jun 2014	Jun 2015	1	235,000.00	Y		
1.55) MH-53 - 2H165 Air Mine Countermeasure (AVCM) Config Trainer Upgrades <sup>(31)</sup>		2012	NSWC PCD / Panama City, FL	PO	NAWCTSD	Apr 2013	Jan 2015	1	1,033K	Y		
1.56) MH-53 - 2H165 Cargo Trainer Upgrades <sup>(32)</sup>		2013	NSWC PCD / Panama City, FL	PO	NAWCTSD	Apr 2013	Jan 2015	1	632,000.00	Y		
1.57) MH-53 - 2F141 Operational Flight Trainer (OFT) Upgrades		2016	TBD / TBD	TBD	TBD	Mar 2016	Sep 2017	1	628,000.00	N	Oct 2015	



**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning: PB 2016 Navy</b>									<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1				<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment					<b>Aggregated Items:</b> OTHER FLIGHT TRAINING			
<b>Item Number / Title [DODIC]</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
1.58) MH-53 - 2H162 Enhanced Aircrew External Trainer Upgrades (33)		2012	Pathfinder Systems, Inc. / Arvada, CO	C / FFP	NAWCTSD	Jan 2014	Feb 2016	1	662,000.00	Y		Nov 2013
1.59) MH-53 - Manual of Operation and Maintenance Instructions (MOMI) Update		2014	Crew Training International / Memphis, TN	SS / FFP	NAWCTSD	Sep 2014	May 2015	1	12,000.00	Y		
1.60) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades		2014	NWDC / Norfolk, VA	MIPR	DTIC	Aug 2014	Jan 2015	1	275,000.00	Y		
1.60) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades		2015	NWDC / Norfolk, VA	MIPR	DTIC	Jan 2015	Jan 2016	3	375,000.00	Y		
1.60) NASMP - Navy Continuous Training Environment (NCTE) Nodes Upgrades		2016	NWDC / Norfolk, VA	MIPR	DTIC	Jan 2016	Jan 2017	2	375,000.00	Y		
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) <sup>(†)</sup>		2013	BSC Partners / Binghampton, NY	SS / FFP	NAWCTSD	Nov 2013	Oct 2015	1	12,969K	Y		
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) <sup>(†)</sup>		2015	BSC Partners / Binghampton, NY	SS / FFP	NAWCTSD	Dec 2014	Jan 2017	1	6,239K	Y		
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET) <sup>(†)</sup>		2016	BSC Partners / Binghampton, NY	SS / FFP	NAWCTSD	Nov 2015	Mar 2017	2	6,046K	Y		
1.62) NASMP - H-60S Technology Refresh Upgrades <sup>(34)</sup>		2014	TBD / TBD	C / FFP	NAWCTSD	Sep 2014	Jul 2017	6	3,821K	Y		Feb 2014
1.63) NASMP - H-60R Technology Refresh Upgrades <sup>(35)</sup>		2014	TBD / TBD	C / FFP	NAWCTSD	Sep 2014	Jul 2017	1	11,717K	Y		Feb 2014
1.63) NASMP - H-60R Technology Refresh Upgrades <sup>(35)</sup>		2016	TBD / TBD	C / FFP	NAWCTSD	Nov 2015	Sep 2017	2	3,063K	Y		Feb 2014
1.64) NASMP - MH-60R Naval Aircrew Training Systems (NATS) <sup>(†)</sup>		2013	BCS Partners / Binghampton, NY	SS / FFP	NAWCTSD	Nov 2013	Oct 2015	2	9,720K	Y		
1.64) NASMP - MH-60R Naval Aircrew Training Systems (NATS) <sup>(†)</sup>		2015	BCS Partners / Binghampton, NY	SS / FFP	NAWCTSD	Nov 2014	Sep 2016	1	8,132K	Y		
1.65) NASMP - MH-60 Threat Attributes Production (JSAF)		2014	NWDC / Norfolk, VA	MIPR	DTIC	Jul 2014	Sep 2015	1	798,000.00	Y		
1.66) NASMP - FA/EA-18 - System Fidelity Upgrades (TECR) <sup>(36)</sup>		2011	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Feb 2012	Jun 2015	1	15,434K	Y		

## UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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
1.68) NASMP - FA/EA-18 Visual Display Upgrades <sup>(37)</sup>		2013	L3 Link Simulation & Training / Arlington, TX	SS / FFP	NAWCTSD	Jul 2013	Jul 2015	11	1,367K	Y		
1.70) NASMP - FA/EA-18 NGTS v3.0 Upgrade		2013	Boeing / St. Louis, MO	SS / FFP	NAWCTSD	Sep 2013	Aug 2015	1	1,449K	Y		
1.71) NASMP - FA/EA-18 Weps Fidelity Upgrade		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jan 2016	Jul 2017	1	3,000K	Y		
1.72) NASMP - FA/EA-18 Seat Upgrade <sup>(38)</sup>		2015	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Feb 2015	Dec 2016	5	969,400.00	Y		
1.72) NASMP - FA/EA-18 Seat Upgrade <sup>(38)</sup>		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jan 2016	Jul 2017	6	850,000.00	Y		
1.73) NASMP - FA/EA-18 Blue Forces Visual Data Base (VDB) Upgrade		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jan 2016	Jul 2017	1	1,400K	Y		
1.76) NASMP - FA/EA-18 Airborne Electronic Attack (AEA) Model Upgrade <sup>(39)</sup>		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jan 2016	Jul 2017	1	7,878K	Y		
1.79) NASMP - FA/EA-18 SAN Disk Upgrade <sup>(40)</sup>		2014	Boeing / St. Louis, MO	SS / FFP	NAWCTSD	Jul 2014	Jun 2016	23	569,695.65	Y		
1.82) NASMP - FA/EA-18 NASMP 1.4 / Fleet Synthetic Training (FST) Upgrade <sup>(41)</sup>		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jan 2016	Jul 2017	1	2,294K	Y		
1.84) NASMP - FA/EA-18 Aural Cueing HW Upgrade <sup>(42)</sup>		2015	Boeing / St. Louis, MO	SS / FFP	NAWCTSD	Feb 2015	Dec 2017	23	347,826.09	Y		
1.87) NASMP - FA/EA-18 Next Generation Threat System (NGTS) Upgrades v3.2		2015	NAWCAD / Patuxent River, MD	PO	NAWCAD PAX	Apr 2015	May 2017	1	6,000K	N	Feb 2015	
1.88) NASMP - FA/EA-18 Windows 7 Upgrade		2012	L3 Link Simulation & Training / Arlington, TX	SS / FFP	NAWCTSD	Jun 2013	Jul 2015	1	1,499K	Y		
1.89) NASMP - FA/EA-18 - TOFT Mission Upgrade <sup>(43)</sup>		2016	Boeing Co. / St. Louis, MO	SS / FFP	NAWCTSD	Jan 2016	Jul 2017	1	3,000K	Y		
1.90) NASMP - Common Acoustic Simulation Environment (CASE) Upgrade <sup>(44)</sup>		2016	AAC Inc. / Hauppauge, NY	SS / FFP	NAWCTSD	Dec 2015	Dec 2017	1	11,000K	N	Aug 2015	
1.93) NASMP - Joint Simulation Bus (JBUS) Upgrades		2014	NWDC / Norfolk, VA	MIPR	DTIC	Aug 2014	Jul 2015	1	309,000.00	Y		
1.94) LVC - FA-18 OFP Training System Upgrade		2016	TBD / TBD	TBD	NAWCWD	Feb 2016	Feb 2018	1	7,136K	Y		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1	P-1 Line Item Number / Title: 0705 / Common Ground Equipment	Aggregated Items: OTHER FLIGHT TRAINING

(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015									
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 2011												Fiscal Year 2012													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	Calendar Year 2011												Calendar Year 2012												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1) Hardware																																
1.18) UMFO Training - Multi-Crew Simulator Trainer (MCS)																																
	18	2011	NAVY	1	-	1												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1.24) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																																
	19	2015	NAVY	3	-	3																										3
	19	2016	NAVY	3	-	3																										3
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																																
	20	2013	NAVY	1	-	1																										1
	20	2015	NAVY	1	-	1																										1
	21	2016	NAVY	2	-	2																										2
1.64) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																																
	22	2013	NAVY	2	-	2																										2
	22	2015	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	B A L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																								Date: February 2015												
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 2013														Fiscal Year 2014														
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														B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
1) Hardware																																				
1.18) UMFO Training - Multi-Crew Simulator Trainer (MCS)																																				
	18	2011	NAVY	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
1.24) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																																				
	19	2015	NAVY	3	-	3																										3				
	19	2016	NAVY	3	-	3																										3				
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																																				
	20	2013	NAVY	1	-	1														A -	-	-	-	-	-	-	-	-	-	-	-	1				
	20	2015	NAVY	1	-	1																										1				
	21	2016	NAVY	2	-	2																										2				
1.64) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																																				
	22	2013	NAVY	2	-	2														A -	-	-	-	-	-	-	-	-	-	-	-	2				
	22	2015	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	B A L					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015											
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 2015												Fiscal Year 2016														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												B A L			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
1) Hardware																																		
1.18) UMFO Training - Multi-Crew Simulator Trainer (MCS)																																		
	18	2011	NAVY	1	-	1	-	-	-	-	1																				-			
1.24) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																																		
	19	2015	NAVY	3	-	3																		A	-	-	-	-	-	-	-	3		
	19	2016	NAVY	3	-	3																		A	-	-	-	-	-	-	-	3		
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																																		
	20	2013	NAVY	1	-	1	-	-		-	-	-	-	-	-	-	-	-	1													-		
	20	2015	NAVY	1	-	1			A	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	1		
	21	2016	NAVY	2	-	2														A	-	-	-	-	-	-	-	-	-	-	-	2		
1.64) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																																		
	22	2013	NAVY	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1									-
	22	2015	NAVY	1	-	1		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	B A L			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015											
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 (Units in Each)								Fiscal Year 2017													Fiscal Year 2018													
O C 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	B A L			
1) Hardware																																		
1.18) UMFO Training - Multi-Crew Simulator Trainer (MCS)																																		
	18	2011	NAVY	1	1	-																												-
1.24) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																																		
	19	2015	NAVY	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1		
	19	2016	NAVY	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																																		
	20	2013	NAVY	1	1	-																												-
	20	2015	NAVY	1	-	1	-	-	-	1																								-
	21	2016	NAVY	2	-	2	-	-	-	-	1	-	-	-	-	1																		-
1.64) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																																		
	22	2013	NAVY	2	2	-																												-
	22	2015	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	B A L			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015											
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 2019													Fiscal Year 2020														
O C 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													B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
1) Hardware																																		
1.18) UMFO Training - Multi-Crew Simulator Trainer (MCS)																																		
	18	2011	NAVY	1	1	-																												-
1.24) USMC Fed Sim - MCAT Containerized Flight Trng Dev (CFTD)																																		
	19	2015	NAVY	3	2	1	-	-	-	1																								-
	19	2016	NAVY	3	-	3	-	-	-	-	-	-	1	-	-	-	1	-	1															-
1.61) NASMP - MH-60S Aircrew Virtual Environment Trainer (AVET)																																		
	20	2013	NAVY	1	1	-																												-
	20	2015	NAVY	1	1	-																												-
	21	2016	NAVY	2	2	-																												-
1.64) NASMP - MH-60R Naval Aircrew Training Systems (NATS)																																		
	22	2013	NAVY	2	2	-																												-
	22	2015	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	B A L			



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Navy								<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1					<b>P-1 Line Item Number / Title:</b> 0705 / Common Ground Equipment				<b>Aggregated Items:</b> OTHER FLIGHT TRAINING		

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	CAE - Tampa, FL	1	1	1	-	-	40	40	-	-	-	-
2	TBD - TBD	1	1	3	-	9	27	36	-	2	38	40
3	BSC Partners - Binghampton, NY	1	1	3	-	-	23	23	-	2	25	27
4	BSC Partners - Binghampton, NY	1	1	3	-	-	-	-	-	2	16	18
5	BCS Partners - Binghampton, NY	1	1	2	-	-	23	23	-	2	22	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).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

# UNCLASSIFIED

**Exhibit P-40, Budget Line Item Justification:** PB 2016 Navy **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities	<b>P-1 Line Item Number / Title:</b> 0715 / Aircraft Industrial Facilities
---	---

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,002.680	24.250	24.779	24.010	0.943	24.953	24.468	24.884	25.367	25.870	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	1,002.680	24.250	24.779	24.010	0.943	24.953	24.468	24.884	25.367	25.870	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	1,002.680	24.250	24.779	24.010	0.943	24.953	24.468	24.884	25.367	25.870	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

## Description:

This budget line item funds two programs: Calibration Equipment & Contractor Facilities

### 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).

### Contractor Facilities Description:

All Naval Air Systems Command (NAVAIR) property in the government owned contractor operated facilities program has been disposed of. The last facility (Dallas) was sold at the beginning of FY13.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy							<b>Date:</b> February 2015	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities					<b>P-1 Line Item Number / Title:</b> 0715 / Aircraft Industrial Facilities			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>			<b>Other Related Program Elements:</b>		
<b>Exhibits Schedule</b>			<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>
<b>Title*</b>	<b>Exhibits</b>	<b>ID CD</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
Aircraft Industrial Facilities	P-40a, P-5a		- / 1,002.680	- / 24.250	- / 24.779	- / 24.010	- / 0.943	- / 24.953
<b>Total Gross/Weapon System Cost</b>			<b>- / 1,002.680</b>	<b>- / 24.250</b>	<b>- / 24.779</b>	<b>- / 24.010</b>	<b>- / 0.943</b>	<b>- / 24.953</b>
<p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>								
<p><b>Justification:</b>            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.</p> <p>Contractor Facilities:            All NAVAIR property in the government owned contractor operated facilities program has been disposed of. The last facility (Dallas) was sold at the beginning of FY13. Therefore, the budget funds associated with property ownership including management of existing leases at operating facilities is no longer necessary FY14 and beyond as program undergoes closeout. Litigation risks remain for the Navy associated with the program, though it is unlikely a suit would prevail and then the primary risk is on environmental matters affiliated with Environmental Restoration, Navy (ERN) account. Any settlement costs resulting from this risk would not be funded by APN, but from the ERN and a judgment fund for these matters.</p> <p>OCO:            Calibration Equipment:            Replace eight (8) High Pressure and Precision Pressure Standards; five (5) Frequency Spectrum Measuring Receiver Calibrators; six (6) Identification Friend or Foe/ Communications Waveform Analyzers; and four (4) Vibration Calibrators, Tachometer Standards and Torque Calibrators. CALSTDs are in Operation Freedom's Sentinel (OFS) theater with long exposure to operations and are requiring replacement at a higher rate than normal. It is not practical to remove fine sand/debris from CALSTD chassis, precision electronics, and components without extensive teardown and rebuild of units. Cost to overhaul inoperable CALSTDs often exceeds 70% of replacement cost.</p>								

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy</b>															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0715 / Aircraft Industrial Facilities							<b>Aggregated Items Title:</b> Aircraft Industrial Facilities				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 <sup>(†)</sup>	A		29,374.15	441	12.954	2,590.00	95	0.246	2,640.00	111	0.293	2,750.00	118	0.325	-	-	-	2,750.00	118	0.325					
1.2) Low Frequency AC/DC CALSTDs <sup>(†)</sup>	A		197,283.78	518	102.193	17,633.06	248	4.373	10,476.72	451	4.725	10,525.61	449	4.726	22,433.00	6	0.135	10,683.52	455	4.861					
1.3) Other CALSTDs Procurement <sup>(††)</sup>	A		29,172.25	627	18.291	5,840.00	92	0.537	5,890.00	94	0.554	5,920.00	97	0.574	-	-	-	5,920.00	97	0.574					
1.4) Physical Dimen / Optical CALSTDs <sup>(††)</sup>	A		235,775.96	549	129.441	30,366.15	325	9.869	33,354.24	271	9.039	33,364.37	247	8.241	58,250.00	12	0.699	34,517.37	259	8.940					
1.5) RF / Microwave CALSTDs <sup>(†)</sup>	A		164,532.59	629	103.491	20,050.00	227	4.551	12,437.24	478	5.945	12,460.00	470	5.856	21,859.00	5	0.109	12,557.89	475	5.965					
1.6) Res / Impedance CALSTDs <sup>(††)</sup>	A		106,236.26	364	38.670	2,690.00	122	0.328	4,851.43	175	0.849	4,950.00	177	0.876	-	-	-	4,950.00	177	0.876					
1.7) Logistics / Engineering Support	A		-	-	41.240	-	-	2.098	-	-	2.219	-	-	2.217	-	-	-	-	-	2.217					
1.8) Production / Aquisition <sup>(1)</sup>	A		-	-	73.698	-	-	1.218	-	-	1.155	-	-	1.195	-	-	-	-	-	1.195					
1.9) Divestiture Support	A		-	-	482.702	-	-	1.030	-	-	-	-	-	-	-	-	-	-	-	-					
Subtotal: 1) Aircraft Industrial Facilities			-	-	1,002.680	-	-	24.250	-	-	24.779	-	-	24.010	-	-	0.943	-	-	24.953					
Total			-	-	1,002.680	-	-	24.250	-	-	24.779	-	-	24.010	-	-	0.943	-	-	24.953					

<sup>(†)</sup> indicates the presence of a P-5a

**Footnotes:**

<sup>(1)</sup> 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.

**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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		2014 (2)	Various / Various	C / FP	Multiple	Oct 2013	Oct 2013	95	2,590.00	Y		
1.1) Automated / Interface CALSTDs		2015	Various / Various	C / FP	Multiple	Oct 2014	Oct 2014	111	2,640.00	Y		
1.1) Automated / Interface CALSTDs		2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	118	2,750.00	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		
1.3) 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		
1.4) 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		
1.5) 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		
1.6) 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		

**UNCLASSIFIED**

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
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]	OCO	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
1.6) Res / Impedance CALSTDs		2016	Various / Various	C / FP	Multiple	Oct 2015	Oct 2015	177	4,950.00	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												

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED



# UNCLASSIFIED

**Exhibit P-40, Budget Line Item Justification:** PB 2016 Navy **Date:** February 2015

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

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b> 0204164N, 0204161N	<b>Other Related Program Elements:</b> 0205633N
---	--	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	816.397	28.930	15.939	42.012	-	42.012	43.372	44.099	43.472	44.333	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	816.397	28.930	15.939	42.012	-	42.012	43.372	44.099	43.472	44.333	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>816.397</b>	<b>28.930</b>	<b>15.939</b>	<b>42.012</b>	<b>-</b>	<b>42.012</b>	<b>43.372</b>	<b>44.099</b>	<b>43.472</b>	<b>44.333</b>	<b>Continuing</b>	<b>Continuing</b>

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

Initial Spares ( <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.
- 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 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.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities		<b>P-1 Line Item Number / Title:</b> 0720 / War Consumables
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b> 0204164N, 0204161N	<b>Other Related Program Elements:</b> 0205633N
<p><b>AERIAL REFUELING STORES (ARS)</b></p> <p>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.</p> <ul style="list-style-type: none"> <li>- ARS upgrade to the avionics/electrical system</li> <li>- ARS upgrade to the drogue system</li> <li>- 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.</li> <li>- ARS Support Equipment</li> <li>- External Fuel Tank Support Equipment</li> <li>- Provides production support, modification, and modernization of ARS and EFT products.</li> </ul>		

**UNCLASSIFIED**

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
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		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	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)
War Consumables	P-40a, P-5a, P-21		- / 816.397	- / 28.930	- / 15.939	- / 42.012	- / -	- / 42.012
Total Gross/Weapon System Cost			- / 816.397	- / 28.930	- / 15.939	- / 42.012	- / -	- / 42.012
*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 add due to rounding.								

**Justification:**

FY16 Provides funding to procure, modify and/or upgrade bomb racks and missile launchers, BRU-55, BRU-61, ARS and associated support. FY16 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.

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy</b>															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0720 / War Consumables							<b>Aggregated Items Title:</b> War Consumables				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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 <sup>(1)</sup>	A		-	-	27.425	-	-	5.327	-	-	1.900	-	-	1.577	-	-	-	-	-	1.577
1.2) Launcher Upgrade & Installation	A		-	-	40.962	-	-	4.947	-	-	2.897	-	-	1.625	-	-	-	-	-	1.625
1.3) LAU-7 <sup>(†)</sup>	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	A		-	-	1.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 <sup>(†)</sup>	A		113,002.38	421	47.574	84,655.17	29	2.455	-	-	-	101,989.17	277	28.251	-	-	-	101,989.17	277	28.251
1.12) Digital ITER <sup>(†)</sup>	B		72,792.45	159	11.574	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.17) ILS <sup>(2)</sup>	A		-	-	9.107	-	-	1.452	-	-	1.317	-	-	1.094	-	-	-	-	-	1.094
1.18) Product Improvement	A		-	-	34.927	-	-	1.968	-	-	1.355	-	-	0.930	-	-	-	-	-	0.930
1.19) Product Engineering	A		-	-	41.537	-	-	1.435	-	-	1.457	-	-	1.403	-	-	-	-	-	1.403
1.20) Various <sup>(3)</sup>	A		-	-	131.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Common AAE			-	-	579.871	-	-	17.584	-	-	8.926	-	-	34.880	-	-	-	-	-	34.880
2) Aerial Refueling Stores																				
2.1) External Fuel Tanks	A		41,084.21	190	7.806	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Aerial Refueling Stores	A		-	-	52.993	-	-	9.222	-	-	4.807	-	-	4.889	-	-	-	-	-	4.889
2.3) Product Support	A		-	-	13.767	-	-	2.124	-	-	2.206	-	-	2.243	-	-	-	-	-	2.243
2.4) Various	A		-	-	161.960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# UNCLASSIFIED

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0720 / War Consumables							<b>Aggregated Items Title:</b> War Consumables				

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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			-	-	236.526	-	-	11.346	-	-	7.013	-	-	7.132	-	-	-	-	-	7.132
<b>Total</b>			-	-	<b>816.397</b>	-	-	<b>28.930</b>	-	-	<b>15.939</b>	-	-	<b>42.012</b>	-	-	-	-	-	<b>42.012</b>

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

## Footnotes:

- (1) Quantities are not reflected based on procurements supporting multiple aircraft T/M/S.
- (2) A reduction due to an economic adjustment reduces labor funding in applicable year which causes deviation from the OSD standard inflation rate of 2% in budget lines 1.17, 1.18, 1.19 and 2.3.
- (3) The amount identified against this cost element reflects total prior year funding associated with equipment no longer procured.

## UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 07 / 1				P-1 Line Item Number / Title: 0720 / War Consumables				Aggregated Items: War Consumables				
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) Common AAE												
1.3) LAU-7 <sup>(†)</sup>		2010	Marvin Eng. / Inglewood, CA	C / FP	NAVAIR	Mar 2010	May 2014	373	31,413.00	Y		
1.11) BRU-55 <sup>(†)</sup>		2013	ITT / Amityville, NY	SS / FFP	NAVAIR	Nov 2013	Jun 2015	421	86,902.61	Y		
1.11) BRU-55 <sup>(†)</sup>		2014 (4)	ITT / Amityville, NY	SS / FFP	NAVAIR	Dec 2013	Nov 2016	29	84,655.17	Y		
1.11) BRU-55 <sup>(†)</sup>		2016	ITT - FY16 / Amityville, NY	SS / FFP	NAVAIR	Dec 2015	Dec 2016	277	101,989.17	Y		
1.12) Digital ITER <sup>(†)</sup>		2012 (5)	ITT / Amityville, NY	SS / FP	NAVAIR	Oct 2013	Jun 2015	159	72,792.45	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(4)</sup> Contract award date updated from 11/2013 to 12/2013 due to the date being incorrectly captured in previous budgets. The true contract award date was 12/19/2013. Due to the contract award date being updated, this then pushed out the date of first delivery to 11/2016.

<sup>(5)</sup> Previous budget submissions reflected a Date of first delivery of 04/2015 which was an estimate at the time of contract negotiations. This date was never updated and changed after contract was awarded. The Date of First Delivery was changed from 04/2015 to 06/2015 at the time of contract award and is now being updated at the PB16 budget.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
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													
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												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1) Common AAE																																	
1.3) LAU-7																																	
Prior Years Deliveries: 1627																																	
	23	2010	NAVY	373	-	373							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	373		
1.11) BRU-55																																	
	24	2013	NAVY	421	-	421																									421		
	24	2014	NAVY	29	-	29																									29		
	25	2016	NAVY	277	-	277																									277		
1.12) Digital ITER																																	
	26	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	B A L		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
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													
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												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1) Common AAE																																	
1.3) LAU-7																																	
Prior Years Deliveries: 1627																																	
	23	2010	NAVY	373	-	373	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	373		
1.11) BRU-55																																	
	24	2013	NAVY	421	-	421																									421		
	24	2014	NAVY	29	-	29																									29		
	25	2016	NAVY	277	-	277																									277		
1.12) Digital ITER																																	
	26	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	B A L		



UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015								
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												
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												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
1) Common AAE																															
1.3) LAU-7																															
Prior Years Deliveries: 1627																															
	23	2010	NAVY	373	-	373	-	-	-	-	-	-	-	6	55	55	55	55	55	55	37									-	
1.11) BRU-55																															
	24	2013	NAVY	421	-	421		A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	25	25	25	321
	24	2014	NAVY	29	-	29			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	
	25	2016	NAVY	277	-	277																								277	
1.12) Digital ITER																															
	26	2012	NAVY	159	-	159	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	99
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
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													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 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	B A L		
1) Common AAE																																	
1.3) LAU-7																																	
Prior Years Deliveries: 1627																																	
	23	2010	NAVY		373	373	-																										-
1.11) BRU-55																																	
	24	2013	NAVY		421	100	321	25	25	25	25	25	25	25	25	25	25	25	21													-	
	24	2014	NAVY		29	-	29	-	-	-	-	-	-	-	-	-	-	-	-	4	25											-	
	25	2016	NAVY		277	-	277			A	-	-	-	-	-	-	-	-	-	23	23	23	23	23	23	23	23	23	23	23	47		
1.12) Digital ITER																																	
	26	2012	NAVY		159	60	99	15	15	15	15	15	15	9																			-
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
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														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 7	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	B A L		
1) Common AAE																																	
1.3) LAU-7																																	
Prior Years Deliveries: 1627																																	
	23	2010	NAVY		373	373	-																										-
1.11) BRU-55																																	
	24	2013	NAVY		421	421	-																										-
	24	2014	NAVY		29	29	-																										-
	25	2016	NAVY		277	230	47	23	24																								-
1.12) Digital ITER																																	
	26	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	B A L		

**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Navy				<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1			<b>P-1 Line Item Number / Title:</b> 0720 / War Consumables			<b>Aggregated Items:</b> War Consumables	

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Marvin Eng. - Inglewood, CA	300	450	600	-	6	-	6	-	-	24	24
2	ITT - Amityville, NY	300	330	360	-	11	19	30	-	-	35	35
3	ITT - FY16 - Amityville, NY	300	330	360	-	3	14	17	-	-	14	14
4	ITT - Amityville, NY	75	147	200	-	22	-	22	-	-	14	14

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

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

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy										<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities							<b>P-1 Line Item Number / Title:</b> 0725 / Other Production Charges					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	190.868	5.268	5.630	2.455	-	2.455	0.959	1.468	21.379	21.806	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	190.868	5.268	5.630	2.455	-	2.455	0.959	1.468	21.379	21.806	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>190.868</b>	<b>5.268</b>	<b>5.630</b>	<b>2.455</b>	<b>-</b>	<b>2.455</b>	<b>0.959</b>	<b>1.468</b>	<b>21.379</b>	<b>21.806</b>	<b>Continuing</b>	<b>Continuing</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b></p> <p>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:</p> <p>TACTICAL COMBAT TRAINING SYSTEM (TCTS):</p> <p>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).</p>												

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy						<b>Date:</b> February 2015	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities				<b>P-1 Line Item Number / Title:</b> 0725 / Other Production Charges			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>			<b>Other Related Program Elements:</b>	
<b>Exhibits Schedule</b>			<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>
<b>Title*</b>	<b>Exhibits</b>	<b>ID CD</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
Other Production Charges	P-40a		- / 190.868	- / 5.268	- / 5.630	- / 2.455	- / -
<b>Total Gross/Weapon System Cost</b>			<b>- / 190.868</b>	<b>- / 5.268</b>	<b>- / 5.630</b>	<b>- / 2.455</b>	<b>- / -</b>
<small>*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 add due to rounding.</small>							

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy															<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 07 / 1								<b>P-1 Line Item Number / Title:</b> 0725 / Other Production Charges							<b>Aggregated Items Title:</b> Other Production Charges				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) TCTS Increment I Block Upgrade	A		-	-	-	-	-	3.600	-	-	4.198	-	-	0.788	-	-	-	-	-	0.788
1.4) Integrated Logistics Support	A		-	-	10.766	-	-	0.229	-	-	0.272	-	-	0.285	-	-	-	-	-	0.285
1.5) Acceptance Test	A		-	-	6.226	-	-	0.246	-	-	0.251	-	-	0.255	-	-	-	-	-	0.255
1.6) Production Engineering	A		-	-	1.662	-	-	1.091	-	-	0.861	-	-	1.079	-	-	-	-	-	1.079
1.7) Production Support	A		-	-	0.100	-	-	0.102	-	-	0.048	-	-	0.048	-	-	-	-	-	0.048
1.8) Non Recurring	A		-	-	75.847	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Tactical Combat Training System			-	-	190.868	-	-	5.268	-	-	5.630	-	-	2.455	-	-	-	-	-	2.455
Total			-	-	190.868	-	-	5.268	-	-	5.630	-	-	2.455	-	-	-	-	-	2.455

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED



**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy									<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities							<b>P-1 Line Item Number / Title:</b> 0735 / Special Support Equipment					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	41.506	60.339	50.859	-	50.859	27.547	19.156	41.894	31.630	-	272.931
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	41.506	60.339	50.859	-	50.859	27.547	19.156	41.894	31.630	-	272.931
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>0.000</b>	<b>41.506</b>	<b>60.339</b>	<b>50.859</b>	<b>-</b>	<b>50.859</b>	<b>27.547</b>	<b>19.156</b>	<b>41.894</b>	<b>31.630</b>	<b>-</b>	<b>272.931</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b>  Details of this P-1 item are classified.</p> <p>Note: "Prior Years" cost is \$1,296.624M. "To Complete" and "Total" are continuing.</p>												
<p><b>Justification:</b>  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.</p>												

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy									<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 07: Aircraft Support Equip & Facilities / BSA 1: Aircraft Support Equip & Facilities							<b>P-1 Line Item Number / Title:</b> 0740 / First Destination Transportation					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	1.775	1.168	1.801	-	1.801	1.834	1.869	1.907	1.945	-	12.299
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	1.775	1.168	1.801	-	1.801	1.834	1.869	1.907	1.945	-	12.299
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>1.775</b>	<b>1.168</b>	<b>1.801</b>	<b>-</b>	<b>1.801</b>	<b>1.834</b>	<b>1.869</b>	<b>1.907</b>	<b>1.945</b>	<b>-</b>	<b>12.299</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> 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.  Note: "Prior Years" cost is \$80.028M. "To Complete" and "Total" are continuing.												
<b>Justification:</b> Funds are requested for the FY2016 First Destination Transportation requirements.												

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED