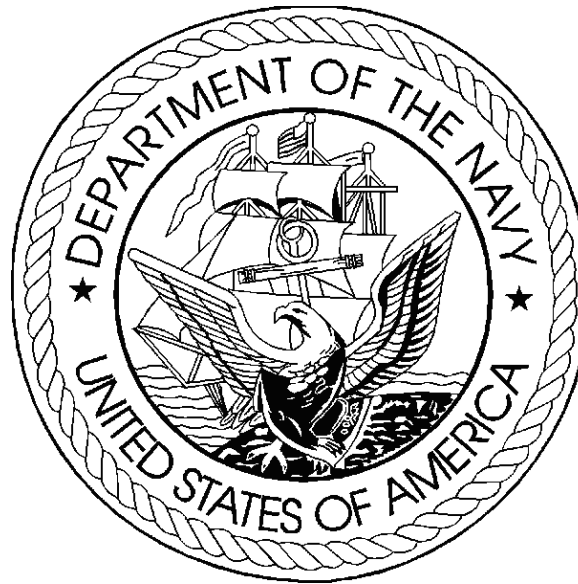


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**Department of Defense
Fiscal Year (FY) 2016 President's Budget Submission**

February 2015



Navy

Justification Book Volume 2 of 4

Aircraft Procurement, Navy

Budget Activity 05

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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.

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Navy • President's Budget Submission FY 2016 • Procurement

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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.

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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

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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

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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

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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

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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

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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

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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

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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

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Department of the Navy
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
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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.

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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 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			24,451				24,451	U
Advance Procurement (CY)									
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			54,577				54,577	U
Advance Procurement (CY)									
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.

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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

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Department of the Navy
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Exhibit P-1 FY 2016 President's Budget
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(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

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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

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Department of the Navy
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 (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

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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	

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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		

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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

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18	01	01	0195	E-2D AHE.....	Volume 1 - 147
19	01	01	0195	E-2D AHE, Advance Procurement.....	Volume 1 - 159

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

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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

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26	04	01	0444	STUASLO.....	Volume 1 - 213
27	04	01	0465	Other Support Aircraft.....	Volume 1 - 221

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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

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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

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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
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66	07	01	0720	War Consumables.....	Volume 4 - 67
67	07	01	0725	Other Production Charges.....	Volume 4 - 79
68	07	01	0735	Special Support Equipment.....	Volume 4 - 83
69	07	01	0740	First Destination Transportation.....	Volume 4 - 85

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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
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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

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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

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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

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32	05	01	0525	F-18 Series.....	Volume 2 - 73
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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
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

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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
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

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Adversary	0522	31	05	01.....	Volume 2 - 61
C-130 Series	0560	42	05	01.....	Volume 2 - 497
C-2A	0556	41	05	01.....	Volume 2 - 483
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
E-2 Series	0544	39	05	01.....	Volume 2 - 413
E-6 Series	0564	45	05	01.....	Volume 2 - 557
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

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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
JT Primary Acft Trnr Sys (JPATS)	0571	50	05	01.....	Volume 2 - 725
MAGTF EW for Aviation	0587	56	05	01.....	Volume 2 - 853
MQ-8 Series	0588	57	05	01.....	Volume 2 - 865
P-3 Series	0538	38	05	01.....	Volume 2 - 371
P-8 Series	0586	55	05	01.....	Volume 2 - 829
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
Special Project Acft	0567	47	05	01.....	Volume 2 - 665
T-45 Series	0569	48	05	01.....	Volume 2 - 677
Trainer Acft Series	0549	40	05	01.....	Volume 2 - 465
V-22 (Tilt/Rotor Acft) Osprey	0590	59	05	01.....	Volume 2 - 883

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

Appropriation / Budget Activity / Budget Sub Activity:

1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1:
Modification of Aircraft

P-1 Line Item Number / Title:

0511 / EA-6 Series

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>	3,358.396	17.367	10.993	9.799	-	9.799	4.937	3.656	0.313	0.316	-	3,405.777
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	3,358.396	17.367	10.993	9.799	-	9.799	4.937	3.656	0.313	0.316	-	3,405.777
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3,358.396	17.367	10.993	9.799	-	9.799	4.937	3.656	0.313	0.316	-	3,405.777

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

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

Description:

This line item funds modifications to the EA-6B aircraft. The EA-6B Prowler is a four-seat, twin-engine, mid-wing, tactical, electronic attack aircraft. The EA-6B is flown by only Marine Corps squadrons in FY 2016 to provide DoD tactical electronic attack capability. The projected inventory is 28 ICAP III aircraft in FY 2016, all in Active service. Four (4) ICAP III aircraft will be in Section 1 Level 1000 preservation in FY 2016. The designated service life is 12,500 flight hours, with an average of 3,750 flight hours of service life remaining per aircraft. Modifications budgeted and programmed include software/hardware modifications for correction of deficiencies, mandates, and to address obsolescence issues.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0511 / EA-6 Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85) (Safety of Flight /Reliability)	P-3a		- / 1,131.860	- / 12.020	- / 7.211	- / 1.043	- / -	- / 1.043
2 / ICAP III (001-01) (SAFETY OF FLIGHT / RELIABILITY)	P-3a		- / 507.260	- / 5.347	- / 3.782	- / 8.756	- / -	- / 8.756
3 / INACTIVE OSIPS (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 1,719.276	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 3,358.396	- / 17.367	- / 10.993	- / 9.799	- / -	- / 9.799
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85) (Safety of Flight /Reliability)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 1,152.134
2 / ICAP III (001-01) (SAFETY OF FLIGHT / RELIABILITY)	P-3a		- / 4.937	- / 3.656	- / 0.313	- / 0.316	- / -	- / 534.367
3 / INACTIVE OSIPS (RELIABILITY / MISSION CAPABILITY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 1,719.276
Total Gross/Weapon System Cost			- / 4.937	- / 3.656	- / 0.313	- / 0.316	- / -	- / 3,405.777
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: The EA-6B Prowler is a Low Density High Demand electronic attack platform. The aircraft are 40+ years old. Considerable modifications have been required in two basic categories to keep the systems viable: weapons delivery and airframe reliability. Weapons delivery includes Airborne Electronic Attack (AEA) systems and its ancillary equipment. Several systems on the aircraft are based on obsolete software and techniques. Modifications are required to maintain safety of flight as the platform ages; Fatigue Life Expended (FLE), advanced corrosion, and tired iron must be addressed. These investments are required to keep the aircraft and its systems/subsystems viable until the platform is retired.								

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0511 / EA-6 Series	Modification Number / Title: 1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)

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>)	1,131.860	12.020	7.211	1.043	-	1.043	-	-	-	-	-	1,152.134
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,131.860	12.020	7.211	1.043	-	1.043	-	-	-	-	-	1,152.134
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,131.860	12.020	7.211	1.043	-	1.043	-	-	-	-	-	1,152.134
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational and Safety Improvement Program covers EA-6B Structural, Systems, Sub-Systems, and Avionics modifications and improvement to mission degrading deficiencies discovered during test reviews, flight line inspections, and preventive maintenance inspections related to reliability, maintainability, sustainability, training, and safety of flight.

DEVELOPMENT STATUS/MAJOR MILESTONES:

Major milestones include the completion of the Digital Flight Control System test program and Wing Center Section production deliveries.

Current Modifications:

Aircraft Systems (Systems/Sub-Systems Readiness Improvements) - Includes modifications to improve reliability and maintainability of avionics, electrical, life support, propulsion/power, landing gear, hydraulics, pneumatic, primary secondary flight controls, and environmental control systems.

Aircraft Avionics (Avionics Readiness Improvements) - Includes modifications to improve reliability and maintainability of avionics, software, components, wiring, weapons control, communication, navigation, radar, and display systems.

Aircraft Structures (Structural Readiness Improvements) - Includes required modifications based on fatigue life analysis and aircraft changes to ensure EA-6B aircraft availability, reliability, and maintainability of airframe structural components through FY19.

Funding provided to support all EA-6B airframe readiness, hardware readiness, electrical component readiness, obsolescence prevention, inspections, installations, and safety of flight improvements throughout remaining airframe service. Fund application to the structure, system/subsystem, and avionics deficiencies will be made to ensure aircraft service readiness and reliability.

Beginning in FY16, OSIP 032-85 will be budgeted under OSIP 01-01 ICAP III with the exception of installation costs for FY15 procurements.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0511 / EA-6 Series				Modification Number / Title: 1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)					
Models of Systems Affected: EA-6 Series				Modification Type: Safety of Flight /Reliability				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)													
A Kits													
Recurring													
1.1.5) AIRCRAFT SYSTEMS - NonOrganic ⁽¹⁾	82 / 3.780	46 / 2.510	26 / 1.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	154 / 7.720	
1.1.6) AIRCRAFT AVIONICS - NonOrganic	82 / 3.400	46 / 2.100	26 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	154 / 6.700	
1.1.7) AIRCRAFT STRUCTURES - NonOrganic	78 / 3.286	40 / 1.993	20 / 1.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	138 / 6.292	
1.1.9) Archive Modifications - Organic	4,198 / 599.798	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,198 / 599.798	
Subtotal: Recurring	- / 610.264	- / 6.603	- / 3.643	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 620.510	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	4 / 59.178	- / 1.085	- / 0.617	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 60.880	
Subtotal: Non-Recurring	- / 59.178	- / 1.085	- / 0.617	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 60.880	
B Kits													
Recurring													
2.1.5) Archive Modifications - Organic	2,128 / 127.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,128 / 127.340	
Subtotal: Recurring	- / 127.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 127.340	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 60.446	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 60.446	
Subtotal: Non-Recurring	- / 60.446	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 60.446	
Subtotal: EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)	6,572 / 857.228	132 / 7.688	72 / 4.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,776 / 869.176	
Subtotal: Procurement, All Modification Items	- / 857.228	- / 7.688	- / 4.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 869.176	
Support (All Modification Items)													
3.1) Engineering Change Order	- / 3.286	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.286	
3.2) Data	- / 14.451	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.451	
3.3) Training Equipment	15 / 10.947	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 10.947	
3.4) Support Equipment	- / 17.323	- / 0.110	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.433	
3.5) ILS	- / 6.537	- / 1.467	- / 0.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.575	
3.6) Other Support ⁽²⁾	- / 84.373	- / 0.565	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 85.338	
3.7) Interim Contractor Support	- / 0.504	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.504	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0511 / EA-6 Series					Modification Number / Title: 1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)				
Models of Systems Affected: EA-6 Series			Modification Type: Safety of Flight /Reliability					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.8) PRIOR YR INSTALLATION COST	1,473 / 136.461	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,473 / 136.461	
Subtotal: Support	- / 273.882	- / 2.142	- / 0.971	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 276.995	
Installation													
Modification Item 1 of 1: EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)	- / 0.750	- / 2.190	- / 1.980	- / 1.043	- / -	- / 1.043	- / -	- / -	- / -	- / -	- / -	- / 5.963	
Subtotal: Installation	- / 0.750	- / 2.190	- / 1.980	- / 1.043	- / -	- / 1.043	- / -	- / -	- / -	- / -	- / -	- / 5.963	
Total													
Total Cost (Procurement + Support + Installation)	1,131.860	12.020	7.211	1.043	-	1.043	-	-	-	-	-	1,152.134	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0511 / EA-6 Series	Modification Number / Title: 1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)

Modification Item 1 of 1: EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)

Manufacturer Information

Manufacturer Name: Commercial - Avionics / Aircraft Systems	Manufacturer Location: TBD
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 6

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014	Mar 2015					
Delivery Dates	Oct 2014	Oct 2015					

Manufacturer Name: Commercial - Aircraft Structures	Manufacturer Location: TBD
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 6

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014	Mar 2015					
Delivery Dates	Oct 2014	Oct 2015					

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: Avionics / Aircraft Systems

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	64 / 0.500	100 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	164 / 2.000
FY 2014	- / -	- / -	92 / 1.380	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	92 / 1.380
FY 2015	- / -	- / -	- / -	52 / 0.775	- / -	52 / 0.775	- / -	- / -	- / -	- / -	- / -	52 / 0.775
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	64 / 0.500	100 / 1.500	92 / 1.380	52 / 0.775	- / -	52 / 0.775	- / -	- / -	- / -	- / -	- / -	308 / 4.155

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0511 / EA-6 Series	Modification Number / Title: 1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)

Modification Item 1 of 1: EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: Avionics / Aircraft Systems

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	64	26	26	24	24	24	24	22	22	14	14	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	308
Out	64	26	26	24	24	24	24	22	22	14	14	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	308

Method of Implementation: DEPOT FIELD MOD TEAM:: Installation Name: AIRCRAFT STRUCTURES

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	32 / 0.250	46 / 0.690	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	78 / 0.940
FY 2014	- / -	- / -	40 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.600
FY 2015	- / -	- / -	- / -	20 / 0.268	- / -	20 / 0.268	- / -	- / -	- / -	- / -	- / -	20 / 0.268
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	32 / 0.250	46 / 0.690	40 / 0.600	20 / 0.268	- / -	20 / 0.268	- / -	- / -	- / -	- / -	- / -	138 / 1.808

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	32	12	12	11	11	10	10	10	10	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138
Out	32	12	12	11	11	10	10	10	10	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138

Method of Implementation (Organic): Not Installed - Archive Modifications

Installation Quantity: 4198

Method of Implementation (Organic): Not Installed - Installation Kits N/R

Installation Quantity: 4

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0511 / EA-6 Series	Modification Number / Title: 1 / EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)
Modification Item 1 of 1: EA-6B AVIONICS AND STRUCTURAL IMPROVEMENTS (032-85)		
Installation Information		
Method of Implementation (Organic): Not Installed - Archive Modifications		Installation Quantity: 2128
Footnotes: (1) In FY14-16 OSIP 032-85 funds recurring costs related to Audio Intercommunication System AIC-45 and Fuel Flow Transmitter installation engineering on the EA-6B aircraft. Center Wing Section (CWS) Harvest engineering and modernization kits are an emergant requirement. The cost to modernize the CWS varies depends on condition. Throughout this timeframe, the mix of kits being purchased causes a variation in the yearly unit cost on the Aircraft Systems, Aircraft Avionics, and Aircraft Structures. (2) Other Support includes field activity and depot support required to manage modification efforts.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0511 / EA-6 Series					Modification Number / Title: 2 / ICAP III (001-01)			
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>	507.260	5.347	3.782	8.756	-	8.756	4.937	3.656	0.313	0.316	-	534.367
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	507.260	5.347	3.782	8.756	-	8.756	4.937	3.656	0.313	0.316	-	534.367
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	507.260	5.347	3.782	8.756	-	8.756	4.937	3.656	0.313	0.316	-	534.367
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This Operational and Safety Improvement Program covers the EA-6B Improved Capabilities III (ICAP III) system modifications. Specifically, the modification program replaced the ALQ-99 Receiver System with the ALQ-218 receiver system, replaced the TDY-43 display system with a new Commercial Off The Shelf (COTS) based display system for the Pilot and three Electronic Countermeasures Officers (ECMOs), upgraded the Recorder Reproducer Set with a new Digital Recorder, incorporated the Multi-Mission Advanced Tactical Terminal (MATT) to provide reception of data links, incorporated the USQ-113 Communication Receiver/Jammer with the ALQ-218, updated mission planning for ICAP III to Joint Mission Planning System (JMPS), and incorporated Link-16 to include basic electronic warfare battle management capabilities. LITENING Pod integration provides a demonstrated capability and usefulness to support integrated targeting and convoy protection when using the AN/AAQ-28 LITENING Pod system on AV-8B aircraft in conjunction with EA-6B aircraft. AVIONICS KITS: Software/hardware modifications for correction of deficiencies, mandates, and to address obsolescence issues associated with Multi-functional Information Distribution System (MIDs), MATT replacement (USB ENTR), Cryptographic mod kits, ARN-153 Tactical Air Navigational System, and AIC-45 Intercom. MISSION PLANNING ENVIRONMENT (MPE): MPE requires framework integration modifications to avoid Microsoft Operating System (XP) obsolescence and out of cycle technology refresh of Mission Planning laptops in a Windows 7 environment. MPE software requires changes to ensure parity with aircraft OFF. AIRCRAFT SYSTEMS AND STRUCTURES (SYSTEMS/SUB-SYSTEMS SAFETY AND OBSOLESCENCE): Includes modifications to improve safety and address obsolescence issues of avionics, electrical, life support, propulsion/power, landing gear, hydraulics, pneumatic, primary secondary flight controls, and environmental control systems. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Following a Full and Open Competition, Milestone II approval was received, and an Engineering and Manufacturing Development (EMD) Research Development Test & Evaluation development contract was awarded to the Northrop Grumman Corporation in March 1998. Following a Development Test/Operational Test period, completion of an Operational Assessment and an LRIP decision, a Low Rate Initial Production contract were awarded in FY03. Following completion of Operational Evaluation and a Milestone III decision, a full rate production contract was awarded in the 2nd quarter FY06. Additional Full Rate Production contracts designated for Lot 3 & Lot 4 were awarded in FY08. Beginning in FY16, OSIP 032-85 funds have transitioned to OSIP 01-01 ICAP III with the exception of installation costs for FY15 procurements.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0511 / EA-6 Series				Modification Number / Title: 2 / ICAP III (001-01)					
Models of Systems Affected: EA-6 SERIES				Modification Type: SAFETY OF FLIGHT / RELIABILITY				Related RDT&E PEs: 0604270N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: ICAP III (001-01)													
A Kits													
Recurring													
1.1.1) Archived ECPs - Organic	30 / 327.078	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 327.078	
1.1.2) AVIONICS - NonOrganic ⁽³⁾	158 / 8.800	32 / 1.550	32 / 1.939	32 / 1.715	- / -	32 / 1.715	- / -	- / -	- / -	- / -	- / -	254 / 14.004	
1.1.3) Emergent Safety Requirements - Organic ⁽⁴⁾	- / -	- / -	- / -	- / 1.143	- / -	- / 1.143	- / 0.933	- / 1.002	- / -	- / -	- / -	- / 3.078	
Subtotal: Recurring	- / 335.878	- / 1.550	- / 1.939	- / 2.858	- / -	- / 2.858	- / 0.933	- / 1.002	- / -	- / -	- / -	- / 344.160	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 7.472	- / 0.739	- / 0.300	- / 0.350	- / -	- / 0.350	- / -	- / -	- / -	- / -	- / -	- / 8.861	
Subtotal: Non-Recurring	- / 7.472	- / 0.739	- / 0.300	- / 0.350	- / -	- / 0.350	- / -	- / -	- / -	- / -	- / -	- / 8.861	
B Kits													
Recurring													
2.1.1) Installation Equipment - Organic	- / 9.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.650	
Subtotal: Recurring	- / 9.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.650	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 4.428	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.428	
Subtotal: Non-Recurring	- / 4.428	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.428	
Subtotal: ICAP III (001-01)	188 / 357.428	32 / 2.289	32 / 2.239	32 / 3.208	- / -	32 / 3.208	- / 0.933	- / 1.002	- / -	- / -	- / -	284 / 367.099	
Subtotal: Procurement, All Modification Items	- / 357.428	- / 2.289	- / 2.239	- / 3.208	- / -	- / 3.208	- / 0.933	- / 1.002	- / -	- / -	- / -	- / 367.099	
Support (All Modification Items)													
3.1) Integration	- / 2.760	- / 1.000	- / 0.150	- / 2.005	- / -	- / 2.005	- / 1.866	- / 1.903	- / -	- / -	- / -	- / 9.684	
3.2) Engineering Change Orders	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	
3.3) Data	- / 1.458	- / -	- / -	- / 0.611	- / -	- / 0.611	- / -	- / -	- / -	- / -	- / -	- / 2.069	
3.4) Training Equipment	12 / 79.618	- / -	- / -	- / 0.535	- / -	- / 0.535	- / 0.440	- / -	- / -	- / -	- / -	12 / 80.593	
3.5) Support Equipment	- / 18.849	- / 0.150	- / -	- / 0.400	- / -	- / 0.400	- / 0.408	- / 0.265	- / -	- / -	- / -	- / 20.072	
3.6) ILS	- / 6.215	- / 0.600	- / 0.446	- / 0.473	- / -	- / 0.473	- / 0.358	- / 0.200	- / 0.313	- / 0.316	- / -	- / 8.921	
3.7) Other Support ⁽⁵⁾	- / 39.574	- / 0.268	- / 0.447	- / 0.864	- / -	- / 0.864	- / 0.432	- / 0.286	- / -	- / -	- / -	- / 41.871	
3.8) Interim Contractor Support	- / 0.058	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.058	
Subtotal: Support	- / 148.532	- / 2.218	- / 1.043	- / 4.888	- / -	- / 4.888	- / 3.504	- / 2.654	- / 0.313	- / 0.316	- / -	- / 163.468	
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0511 / EA-6 Series					Modification Number / Title: 2 / ICAP III (001-01)			
Models of Systems Affected: EA-6 SERIES				Modification Type: SAFETY OF FLIGHT / RELIABILITY				Related RDT&E PEs: 0604270N				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 1 of 1: ICAP III (001-01)	- / 1.300	- / 0.840	- / 0.500	- / 0.660	- / -	- / 0.660	- / 0.500	- / -	- / -	- / -	- / -	- / 3.800
Subtotal: Installation	- / 1.300	- / 0.840	- / 0.500	- / 0.660	- / -	- / 0.660	- / 0.500	- / -	- / -	- / -	- / -	- / 3.800
Total												
Total Cost (Procurement + Support + Installation)	507.260	5.347	3.782	8.756	-	8.756	4.937	3.656	0.313	0.316	-	534.367

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0511 / EA-6 Series										Modification Number / Title: 2 / ICAP III (001-01)																			
Modification Item 1 of 1: ICAP III (001-01)																																							
Manufacturer Information																																							
Manufacturer Name: Commercial / SPAWAR-Avionics															Manufacturer Location: San Diego, CA																								
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 6																								
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
Contract Dates		Mar 2014				Mar 2015				Mar 2016																													
Delivery Dates		Oct 2014				Oct 2015				Oct 2016																													
Installation Information																																							
Method of Implementation: DEPOT FIELD MOD TEAM:: Installation Name: AVIONICS																																							
Installation Cost		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															
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)															
Prior Years		92 / 1.300		66 / 0.840		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		158 / 2.140													
FY 2014		- / -		- / -		32 / 0.500		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		32 / 0.500													
FY 2015		- / -		- / -		- / -		32 / 0.160		- / -		32 / 0.160		- / -		- / -		- / -		- / -		- / -		- / -		32 / 0.160													
FY 2016		- / -		- / -		- / -		16 / 0.500		- / -		16 / 0.500		16 / 0.500		- / -		- / -		- / -		- / -		- / -		32 / 1.000													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
Total		92 / 1.300		66 / 0.840		32 / 0.500		48 / 0.660		- / -		48 / 0.660		16 / 0.500		- / -		- / -		- / -		- / -		- / -		254 / 3.800													
Installation Schedule																																							
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot								
In	92	17	17	16	16	8	8	8	8	8	8	16	16	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254								
Out	92	17	17	16	16	8	8	8	8	8	8	16	16	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254								
Method of Implementation (Organic): Not Installed - Archived ECPs																														Installation Quantity: 30									
Footnotes:																																							
⁽³⁾ The cost growth within the Avionics cost element driven by the combination of software/hardware kits being purchased (MIDs, USB-ENTR, etc.)																																							
⁽⁴⁾ Emergent Safety requirements line includes funds for aircraft modifications related to safety/national security interests mandatory for the aircraft to reach its full service life.																																							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0511 / EA-6 Series	Modification Number / Title: 2 / ICAP III (001-01)

(5) Other Support includes field activity and depot support required to manage emergent aircraft safety modifications.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0511 / EA-6 Series					Modification Number / Title: 3 / INACTIVE OSIPS			
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)	1,719.276	-	-	-	-	-	-	-	-	-	-	1,719.276
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,719.276	-	-	-	-	-	-	-	-	-	-	1,719.276
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,719.276	-	-	-	-	-	-	-	-	-	-	1,719.276
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0511 / EA-6 Series						Modification Number / Title: 3 / INACTIVE OSIPS			
Models of Systems Affected: EA-6 SERIES				Modification Type: RELIABILITY / MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> INACTIVE OSIPS													
A Kits													
Recurring													
1.1.1) INACTIVE OSIPS - Organic	- / 1,719.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,719.276	
<i>Subtotal: Recurring</i>	- / 1,719.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,719.276	
<i>Subtotal: INACTIVE OSIPS</i>	- / 1,719.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,719.276	
<i>Subtotal: Procurement, All Modification Items</i>	- / 1,719.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,719.276	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	1,719.276	-	-	-	-	-	-	-	-	-	-	1,719.276	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0511 / EA-6 Series			Modification Number / Title: 3 / INACTIVE OSIPS	
Modification Item 1 of 1: INACTIVE OSIPS							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0513 / AEA Systems					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 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>	154.276	44.802	44.768	23.151	-	23.151	40.982	40.069	38.846	39.620	313.239	739.753
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	154.276	44.802	44.768	23.151	-	23.151	40.982	40.069	38.846	39.620	313.239	739.753
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	154.276	44.802	44.768	23.151	-	23.151	40.982	40.069	38.846	39.620	313.239	739.753
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to Airborne Electronic Attack (AEA) products used on multiple platforms. Modifications budgeted and programmed include: procurement and enhancement of Low Band Transmitter Antenna Group inventory, AN/ALQ-99 Tactical Jamming System upgrades and related sustainability, capability, and viability modifications and Area Chaff Dispenser (ALE-43) upgrades and integration. AEA will support procurement of new technologies and equipment as needed to combat emerging electronic warfare technology and systems.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0513 / AEA Systems			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11) (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 146.576	- / 40.102	- / 44.768	- / 23.151	- / -	- / 23.151
2 / Area Chaff Dispenser (OSIP 012-14) (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 0.000	- / 4.700	- / -	- / -	- / -	- / -
3 / INACTIVE OSIPS (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 7.700	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 154.276	- / 44.802	- / 44.768	- / 23.151	- / -	- / 23.151
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11) (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 40.982	- / 40.069	- / 38.846	- / 39.620	- / 313.239	- / 727.353
2 / Area Chaff Dispenser (OSIP 012-14) (RELIABILITY / MISSION CAPABILITY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 4.700
3 / INACTIVE OSIPS (RELIABILITY / MISSION CAPABILITY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 7.700
Total Gross/Weapon System Cost			- / 40.982	- / 40.069	- / 38.846	- / 39.620	- / 313.239	- / 739.753
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: The FY 2016 funding request was reduced by \$3.391 million to account for the availability of prior year execution balances. The Department of the Navy has been tasked with accomplishing the Nation's Airborne Electronic Attack (AEA) mission in various theaters of operation over the last few decades. The AEA capability fielded by the Navy on the EA-6B Prowler has been a high demand, low density asset. The Navy and Marine Corps are transitioning away from the EA-6B Prowler aircraft; the Navy is transitioning to the EA-18G Growler aircraft and the Marine Corps is transitioning to an organic capability utilizing electronic warfare payloads flown on Marine Corps aircraft. Stable investment in AEA systems will ensure continued availability of AEA capability to meet warfighter demand. Investment in the ALQ-99 Tactical Jamming System will ensure continued system availability until Next Generation Jammer Full Operational Capability. Airborne Electronic Attack (AEA) System procurements and related efforts are required to combat emerging electronic warfare technology and systems. Investment in AEA System efforts will ensure that sufficient AEA capability is available to meet warfighter requirements.								

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0513 / AEA Systems	Modification Number / Title: 1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11)

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)	146.576	40.102	44.768	23.151	-	23.151	40.982	40.069	38.846	39.620	313.239	727.353
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	146.576	40.102	44.768	23.151	-	23.151	40.982	40.069	38.846	39.620	313.239	727.353
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	146.576	40.102	44.768	23.151	-	23.151	40.982	40.069	38.846	39.620	313.239	727.353
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The ALQ-99 requirement is directly driven by the EA-18G and EA-6B requirement and inventory numbers.

This Operational and Safety Improvement Program covers system modifications required to improve ALQ-99 reliability, maintainability, availability, resolve obsolescence issues, and correct deficiencies found in testing or in the field. Engineering changes are needed to enhance mission capability and integration of evolving Electronic Warfare systems to address increased mission requirements and emerging threats in support of EA-6B, EA-18G, FA-18 Series, AV-8B, F-35, and rotary wing aircraft.

Radomes are a major component of the ALQ-99 Tactical Jamming System (TJS). The Extended Low Band Radome currently flown on the EA-6B is structurally incompatible with the EA-18G. Production of compatible EA-18G Extended Low Band Radomes (GELBR) is required for integration of the ALQ-99 onto the EA-18G. Additionally, new Universal High Band Radomes (UHBRs) are required to support additional quantities of EA-18G aircraft.

The out of production transmitter inventory is static and is being stretched due to increasing electronic warfare aircraft numbers. The ALQ-99 TJS consists of six transmitters that are mission configurable depending on target threat. Reconstitution of reclaimed United States Air Force (USAF) EF-111 Band 4 through 8 transmitters to United States Navy (USN) configuration will alleviate significant jammer inventory shortfalls for EA-6B and EA-18G platforms.

The ALQ-99 Hardbacks that are currently in inventory are reaching their fatigue life limits. In order to preserve ALQ-99 Tactical Jamming System (TJS) availability, investments in hardbacks are required.

INSTALLATION EQUIPMENT N/R: ALQ-99 TJS obsolescence mitigation efforts, capability enhancements and reliability enhancements require non-recurring engineering for ALQ-99 TJS components such as the Hardback, the Universal Exciter Upgrade, Ram Air Turbine Generator (RATGEN), Low Band Transmitter Antenna Group (LBT AG), Band 4, Band 5/6 , Band 7, Band 8 and Band 9/10 Transmitters. Additionally, funds will provide for the re-engineering of depot support equipment in order to resolve ALQ-99 readiness degraders.

SUPPORT EQUIPMENT: Introduction of new/modified ALQ-99 pod equipment requires new/modified organizational, intermediate, and depot level support equipment; such as modifications and additions to the ALQ-99 pod test set to support LBT AG and modifications to the High Power Device Test Set to extend frequency coverage to test Band 9/10 transmitters. Required changes to existing support equipment will improve reliability, maintainability, availability, address obsolescence issues, and correct deficiencies found in testing or in the field.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Following a competitive acquisition and Milestone II approval, Engineering and Manufacturing Prototype and Low Rate Initial Production (LRIP) testing conducted at government and contractor facilities successfully demonstrated the key performance parameters identified in Office of the Chief of Naval Operations/N88 ltr Ser No.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0513 / AEA Systems	Modification Number / Title: 1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11)
N880C3/6S663399 of 26 JUL 96 can be attained with the present Low Band Transmitter (LBT) design. LRIP unit Testing began in April 2007, Milestone III was achieved in April 2008 and a Full Rate Production contract was awarded June 2008. In response to the increasing force protection requirement, an Early Operational Capability for LBT was met in August 2006.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0513 / AEA Systems				Modification Number / Title: 1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11)				
Models of Systems Affected: MULTIPLE PLATFORMS				Modification Type: RELIABILITY / MISSION CAPABILITY				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Airborne Electronic Attack (AEA) Systems (OSIP 007-11)												
B Kits												
Recurring												
2.1.1) RADOMES - Organic ⁽¹⁾	28 / 3.374	48 / 6.537	25 / 3.439	22 / 3.087	- / -	22 / 3.087	24 / 3.421	17 / 2.471	24 / 3.547	21 / 3.165	- / -	209 / 29.041
2.1.2) TRANSMITTERS - Organic ⁽²⁾	- / -	4 / 4.800	6 / 7.337	1 / 1.470	- / -	1 / 1.470	9 / 11.646	8 / 10.339	6 / 7.879	6 / 8.037	- / -	40 / 51.508
2.1.3) HARDBACK - Organic ⁽³⁾	- / -	- / -	20 / 8.152	6 / 2.495	- / -	6 / 2.495	23 / 9.717	26 / 11.204	27 / 11.775	28 / 12.463	- / -	130 / 55.806
2.1.4) LOW BAND TRANSMITTER - Organic	76 / 100.300	8 / 9.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	84 / 110.140
2.1.7) LOW BAND TRANSMITTER EXPANSION - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	160 / 128.128	160 / 128.128
Subtotal: Recurring	- / 103.674	- / 21.177	- / 18.928	- / 7.052	- / -	- / 7.052	- / 24.784	- / 24.014	- / 23.201	- / 23.665	- / 128.128	- / 374.623
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽⁴⁾	- / 17.275	- / 7.695	- / 17.058	- / 7.147	- / -	- / 7.147	- / 7.290	- / 6.982	- / 6.824	- / 6.958	- / 82.114	- / 159.343
Subtotal: Non-Recurring	- / 17.275	- / 7.695	- / 17.058	- / 7.147	- / -	- / 7.147	- / 7.290	- / 6.982	- / 6.824	- / 6.958	- / 82.114	- / 159.343
Subtotal: Airborne Electronic Attack (AEA) Systems (OSIP 007-11)	104 / 120.949	60 / 28.872	51 / 35.986	29 / 14.199	- / -	29 / 14.199	56 / 32.074	51 / 30.996	57 / 30.025	55 / 30.623	160 / 210.242	623 / 533.966
Subtotal: Procurement, All Modification Items	- / 120.949	- / 28.872	- / 35.986	- / 14.199	- / -	- / 14.199	- / 32.074	- / 30.996	- / 30.025	- / 30.623	- / 210.242	- / 533.966
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 8.937	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.937
3.2) Data ⁽⁵⁾	- / 0.074	- / 0.069	- / 0.079	- / 0.080	- / -	- / 0.080	- / 0.082	- / 0.083	- / 0.084	- / 0.086	- / 0.980	- / 1.617
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 6.131	- / 6.247	- / 3.692	- / 3.761	- / -	- / 3.761	- / 3.727	- / 3.798	- / 3.474	- / 3.543	- / 39.622	- / 73.995
3.5) ILS ⁽⁶⁾	- / 8.810	- / 3.187	- / 3.323	- / 3.389	- / -	- / 3.389	- / 3.344	- / 3.410	- / 3.479	- / 3.549	- / 40.431	- / 72.922
3.6) Other Support ⁽⁷⁾	- / 1.675	- / 1.727	- / 1.688	- / 1.722	- / -	- / 1.722	- / 1.755	- / 1.782	- / 1.784	- / 1.819	- / 21.964	- / 35.916
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 25.627	- / 11.230	- / 8.782	- / 8.952	- / -	- / 8.952	- / 8.908	- / 9.073	- / 8.821	- / 8.997	- / 102.997	- / 193.387
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0513 / AEA Systems						Modification Number / Title: 1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11)			
Models of Systems Affected: MULTIPLE PLATFORMS				Modification Type: RELIABILITY / MISSION CAPABILITY						Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Total Cost (Procurement + Support + Installation)	146.576	40.102	44.768	23.151	-	23.151	40.982	40.069	38.846	39.620	313.239	727.353	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0513 / AEA Systems			Modification Number / Title: 1 / Airborne Electronic Attack (AEA) Systems (OSIP 007-11)	
Modification Item 1 of 1: Airborne Electronic Attack (AEA) Systems (OSIP 007-11)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - RADOMES					Installation Quantity: 209		
Method of Implementation (Organic): Not Installed - TRANSMITTERS					Installation Quantity: 40		
Method of Implementation (Organic): Not Installed - HARDBACK					Installation Quantity: 130		
Method of Implementation (Organic): Organic - LOW BAND TRANSMITTER					Installation Quantity: 84		
Method of Implementation (Organic): Not Installed - LOW BAND TRANSMITTER EXPANSION					Installation Quantity: 160		
Footnotes: (1) Radome unit cost growth in excess of OSD approved indices in FY 2016 is due to rounding. (2) Transmitter cost growth in excess of approved OSD inflation indices in FY 2016 is due to decreased procurement quantities. Cost growth in excess of approved OSD inflation indices in FY 2020 is due to rounding. (3) Hardback cost growth in excess of approved OSD inflation indices in FY 2016 and FY 2020 is due to rounding. (4) Installation Equipment N/R fluctuates due to phasing of various engineering efforts. Cost growth in excess of approved OSD inflation indices in FY 2015 is due to additional funding provided for "ALQ-99 TJS components such as the Hardback, the Universal Exciter Upgrade, LBT AG, Band 4 Transmitters, Band 5/6 Transmitters, Band 9/10 Transmitters, and Bands 7-8 Transmitters." (5) Data cost growth in excess of approved OSD inflation indices in FY 2015, FY 2017 and FY 2020 is due to rounding. (6) ILS cost growth in excess of approved OSD indices in FY 2015 is caused by increased requirements due to Band 4 and Band 5/6 obsolescence mitigation. ILS cost growth in excess of approved OSD indices in FY 2019 and FY 2020 are caused by rounding. (7) Other Support cost Growth in excess of approved OSD inflation indices in FY 2016 is due to rounding.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0513 / AEA Systems	Modification Number / Title: 2 / Area Chaff Dispenser (OSIP 012-14)

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>	0.000	4.700	-	-	-	-	-	-	-	-	-	4.700
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	4.700	-	-	-	-	-	-	-	-	-	4.700
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	4.700	-	-	-	-	-	-	-	-	-	4.700
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The ALE-43 Chaff Dispenser is the sole Area Chaff Dispenser approved for United States Navy and United States Marine Corps tactical aircraft. The current ALE-43 chaff dispenser, qualified on EA-6B and F/A-18C/D, requires form factor and control interface modifications to remain available for fleet usage due to the fleet migration to a common tactical airframe in the F/A-18 E/F. Modifications include a form factor change into a current F/A-18E/F approved pod shape such as the AN/ASD-12 Shared Reconnaissance Pod and pod level Operational Flight Program changes. Associated internal structural and service modifications are also required. Capability, flexibility, and adaptability will improve via control interface and chaff cutter mechanism improvements.

INSTALLATION EQUIPMENT N/R: Non-recurring engineering efforts are required in order to ensure proper integration of the ALE-43 pod onto the F/A-18 E/F platform.

SUPPORT EQUIPMENT: Introduction of new/modified Area Chaff Dispensing equipment requires new/modified organizational, intermediate and depot level support equipment. Changes to existing support equipment will be needed to improve reliability, maintainability, availability, address obsolescence issues, and correct deficiencies found in testing or in the field.

ENGINEERING CHANGES: This Area Chaff Dispensing Program covers system modifications required to improve reliability, maintainability, availability, enhance mission capability, interface and integrate with evolving Electronic Attack systems, resolve obsolescence issues, and correct deficiencies found in testing or in the field.

In FY14, the Area Chaff Dispenser (ALE-43) program was moved to OSIP 012-14 from OSIP 007-11.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0513 / AEA Systems				Modification Number / Title: 2 / Area Chaff Dispenser (OSIP 012-14)					
Models of Systems Affected: MULTIPLE PLATFORMS				Modification Type: RELIABILITY / MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Area Chaff Dispenser (OSIP 012-14)													
B Kits													
Non-Recurring													
1.2.1) Installation Equipment N/R - Organic	- / -	- / 3.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.900	
Subtotal: Non-Recurring	- / 0.000	- / 3.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.900	
Subtotal: Area Chaff Dispenser (OSIP 012-14)	- / -	- / 3.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.900	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 3.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.900	
Support (All Modification Items)													
2.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.4) Support Equipment	- / -	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
2.5) ILS	- / -	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	
2.6) Other Support	- / -	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	
2.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.800	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	4.700	-	-	-	-	-	-	-	-	-	4.700	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0513 / AEA Systems			Modification Number / Title: 2 / Area Chaff Dispenser (OSIP 012-14)		
Modification Item 1 of 1: Area Chaff Dispenser (OSIP 012-14)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime <i>(in Months)</i> :				Production Leadtime <i>(in Months)</i> :			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0513 / AEA Systems						Modification Number / Title: 3 / INACTIVE OSIPS		
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>	7.700	-	-	-	-	-	-	-	-	-	-	7.700
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	7.700	-	-	-	-	-	-	-	-	-	-	7.700
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	7.700	-	-	-	-	-	-	-	-	-	-	7.700
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0513 / AEA Systems						Modification Number / Title: 3 / INACTIVE OSIPS			
Models of Systems Affected: MULTIPLE PLATFORMS				Modification Type: RELIABILITY / MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> INACTIVE OSIPS													
A Kits													
Recurring													
1.1.1) INACTIVE OSIPS - Organic	- / 7.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.700	
<i>Subtotal: Recurring</i>	- / 7.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.700	
<i>Subtotal: INACTIVE OSIPS</i>	- / 7.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.700	
<i>Subtotal: Procurement, All Modification Items</i>	- / 7.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.700	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	7.700	-	-	-	-	-	-	-	-	-	-	7.700	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0513 / AEA Systems			Modification Number / Title: 3 / INACTIVE OSIPS		
<i>Modification Item 1 of 1:</i> INACTIVE OSIPS							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0514 / AV-8 Series					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:					
Line Item MDAP/MAIS Code: 530			Item MDAP/MAIS Code(s):									
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>)	1,109.728	96.712	61.722	41.890	41.365	83.255	38.055	35.200	35.867	36.578	145.744	1,642.861
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,109.728	96.712	61.722	41.890	41.365	83.255	38.055	35.200	35.867	36.578	145.744	1,642.861
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,109.728	96.712	61.722	41.890	41.365	83.255	38.055	35.200	35.867	36.578	145.744	1,642.861
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION: This line item funds modifications to T/AV-8B aircraft. The AV-8B is a single engine, single crew member (two crew members for the trainer) aircraft capable of vertical/short take-off and landing operations. The AV-8B meets the Marine Corps requirements for a light attack aircraft to provide responsive offensive air power that can operate from ships and austere forward bases in direct support of ground forces. The overall goal of the modifications budgeted in FY 2015 and FY 2016 is to continue incorporation of Obsolescence Replacement/Readiness Management Plan systems; electrical and structural changes; upgrade air-to-air weapon system employment and integration components; inventory sustainment and upgrade efforts to offset obsolescence and attrition; incorporation of Litening Pod upgrades; and incorporation of AV-8B F402-RR-408 engine safety and operational changes. The FY14 OCO funding continued Expeditionary Litening Pod upgrades and software/firmware upgrade validation. FY14 OCO funding also procured the Airborne Variable Message Format (VMF) Terminal and completes the associated Engineering Change Proposals and logistics elements. The FY16 OCO will continue funding Expeditionary Litening Pod upgrades and software/firmware upgrade validation, and will procure additional Airborne VMF Terminals. The AV-8B active inventory (June 2014) consists of 4 major configurations: 16 Two-Seat T/AV-8B Aircraft 1 Day Attack Aircraft 1 Day Attack Upgrade Aircraft 34 Night Attack Aircraft 80 RADAR Remanufacture Aircraft Retrofit quantities of each Engineering Change Proposal (ECP) vary by aircraft configuration type & inventory when the change was introduced into production. Retrofit quantities of each ECP also vary depending on whether the ECP applies to the airframe or an individual Weapons Replaceable Assembly. Non-recurring Engineering (NRE) varies from year to year based on complexity of ECPs being engineered for implementation in a given year. Publications and ILS also vary from year to year based on complexity of logistics elements and number of publications required to be updated for each individual ECP. NOTE: Six RADAR Reman aircraft combat losses in Operation Enduring Freedom (OEF) September 2012. Two Radar/Reman aircraft losses in FY14.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft		P-1 Line Item Number / Title: 0514 / AV-8 Series	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:		Other Related Program Elements:
Line Item MDAP/MAIS Code: 530	Item MDAP/MAIS Code(s):		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0514 / AV-8 Series		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:		Other Related Program Elements:		
Line Item MDAP/MAIS Code: 530		Item MDAP/MAIS Code(s):					

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)
1 / AV-8B LITENING POD (OSIP 023-00) (Upgrade)	P-3a		- / 465.721	- / 58.606	- / 31.096	- / 18.750	- / 36.685	- / 55.435
2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04) (Upgrade)	P-3a		- / 48.563	- / 4.196	- / 3.942	- / 3.864	- / -	- / 3.864
3 / ALE-47 (OSIP 025-04) (Upgrade)	P-3a		- / 22.188	- / -	- / -	- / -	- / -	- / -
4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06) ()	P-3a		- / 113.651	- / 33.910	- / 26.684	- / 19.276	- / 4.680	- / 23.956
5 / Inactive Osips ()	P-3a		- / 459.605	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 1,109.728	- / 96.712	- / 61.722	- / 41.890	- / 41.365	- / 83.255

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / AV-8B LITENING POD (OSIP 023-00) (Upgrade)	P-3a		- / 4.162	- / 16.377	- / 16.739	- / 17.073	- / 63.710	- / 728.919
2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04) (Upgrade)	P-3a		- / 3.778	- / 3.886	- / 3.939	- / 3.442	- / 15.759	- / 91.369
3 / ALE-47 (OSIP 025-04) (Upgrade)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 22.188
4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06) ()	P-3a		- / 30.115	- / 14.937	- / 15.189	- / 16.063	- / 66.275	- / 340.780
5 / Inactive Osips ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 459.605
Total Gross/Weapon System Cost			- / 38.055	- / 35.200	- / 35.867	- / 36.578	- / 145.744	- / 1,642.861

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

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

Justification:
 BASELINE JUSTIFICATION:
 Non-Recurring Engineering/Data (baseline/OCO) fluctuates per fiscal year due to timing and complexity of ECP's and/or software upgrades, as a different mix / phase of these efforts are in work each year.
 FY16 OCO includes Expeditionary LITENING Pod for AV-8B, F/A-18A-D, and EA-6B (\$36.685M) and Airborne VMF Terminal (AVT) (\$4.680M).

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 1 / AV-8B LITENING POD (OSIP 023-00)	

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>)	465.721	58.606	31.096	18.750	36.685	55.435	4.162	16.377	16.739	17.073	63.710	728.919
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	465.721	58.606	31.096	18.750	36.685	55.435	4.162	16.377	16.739	17.073	63.710	728.919
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	465.721	58.606	31.096	18.750	36.685	55.435	4.162	16.377	16.739	17.073	63.710	728.919

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

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

Description:**DESCRIPTION/JUSTIFICATION:**

The system integrates and procures an external targeting pod that includes an infrared and low-light television targeting device capable of detecting, classifying, auto-tracking, and designating air-to-surface targets. The system will support first-pass autonomous delivery of conventional, precision guided and accurate munitions to include Laser Maverick, Guided Bomb Unit (GBU)-12, GBU-16, and Joint Direct Attack Munitions. The system will provide targeting capabilities for the AV-8B Fleet of Night Attack and Radar aircraft through the end of its service life. Since inception of the LITENING program, various upgrades have been achieved, such as the introduction of the LITENING II Targeting Pod which gave the AV-8B (Night and Radar) the capability to perform precision targeting; and the integration of LITENING capability on the AV-8B Station 4/Centerline to support the movement of the LITENING targeting pod to the AV-8B centerline station allowing both carriage of both left and right hand configured pods, which increased AV-8B ordnance capacity by 200%. Reduced sensor masking and elimination of asymmetry problems associated with targeting pod carriage on a wing station yields better aircraft handling, increased bring-back capability, and significantly increased combat effectiveness in support of Overseas Contingency Operations (OCO). In 2008, the AV-8B Program Office was designated as the single management authority in order to procure, integrate, and manage the LITENING Pod program on all United States Marine Corps (USMC) (AV-8B/F/A-18/EA-6B) platforms in order to maintain commonality within the USMC Tactical Air (TACAIR) for LITENING capabilities. Under this structure, the G4 LITENING pod is being procured and integrated on the AV-8B, F/A-18, and EA-6B platforms via aircraft Operational Flight Programs (OFPs), to include AV-8B H6.1, F/A-18 23X, 25X, and EA-6B Block 6. The G4 upgrade vastly improves combat capabilities through increased coverage, expanded Improvised Explosive Device detection capability, and expanding range of video downlink to support ground units equipped with Remote Operated Video Enhanced Receiver (ROVER) and Video Scout ground stations. Theater Joint Tactical Air Requests are specifically requesting LITENING Datalink capabilities for Intelligence, Surveillance, and Reconnaissance. The upgrade doubles the Forward Looking Infrared resolution, and adds Laser Target Image Processing for enhanced detection and targeting capability; increasing the survivability and effectiveness of ground forces. This funding will ensure completion of that required upgrades for all three USMC TACAIR Expeditionary platforms that are currently supporting Operation Enduring Freedom and OCO combat operations, and all Commandant of the Marine Corps directed pre-deployment training requirements. Future upgrades are planned to the LITENING Datalink. The Advanced Tactical Datalink (ATDL) will permit collaborative and networked payloads to communicate with each other and determine appropriate action against multiple targets simultaneously. It will enable usage of multiple data waveforms for information exchange in both air-to-air and air-to-ground environments among an increasing number of contributors, providing the ability to link ground forces into a digital interoperable, robust, and flexible network architecture. The ATDL will serve as a conduit between disparate networks and waveforms and off-board relative and pertinent data to maneuvering forces in real time. FY14 baseline funding completed LITENING Station 4 wiring kit installations on the AV-8B. FY14 OCO in the amount of \$45.5M and baseline funding, continued upgrading Block 1 to G4 configured Pods and continued to fund required LITENING Pod software upgrade validation and integration along with associated logistics elements. FY15 funding will continue Block 1 to G4 upgrades and will fund upgrades to LITENING pod common operation flight program software, Common OFP Version 3 (COFP V3). This software upgrade will integrate tracking Algorithm updates providing more reliable tracking of moving targets, improvements to the passive ranging, improvements to Pod focus and mode selection process, and image overlay mode. FY16 funding will continue Block 1 to G4 upgrades, continue firmware validation, associated logistics elements, and will begin funding Common OFP V4 (COFP V4) software upgrade. COFP V4 will integrate new data sets to the aircraft mission and weapon systems computers, and will integrate Pod Datalink encryption. Common OFP costs will fluctuate between years due to software / firmware upgrade complexity for specific S/W upgrades, as well as differences in scope between early contractor efforts for Contractor software and following Organic efforts for aircraft software coding and integration. FY16 funding will continue funding of Block 1 to G4 upgrades and COFP V4 software upgrade. FY16 OCO funding will continue funding of Block 1 to G4 upgrades and perform software/firmware validation and associated logistics.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 1 / AV-8B LITENING POD (OSIP 023-00)
The LITENING Targeting Pod is a non-developmental item and has been in full production for several years. It was a winner of a targeting Forward Looking Infrared competition for the Air Force Reserve and the Air National Guard and put in service on their F-16s 2nd Quarter FY00. The design, integration, and testing of the Targeting Pod for the AV-8B was done on the Radar and/or Night Attack during 3rd Quarter FY00. The integration utilized existing aircraft software, a weapons station adapter, and Targeting Pod interface software. Additional full LITENING integration to utilize targeting information from the LITENING Pod to create aircraft targeting solutions was introduced under the H2.0 Operational Flight Programs (OFPs). Video Datalink with the ability to transmit LITENING Pod video (to ROVER III ground stations utilized by Forward Air Controllers) was introduced as ROVER upgrades. The ability to carry the LITENING Pod on AV-8B wing stations 2, 5, and 6 and multi-target cueing was introduced in the H4.0 OFPs, and carriage was expanded to the AV-8B centerline station 4 in the H5.0 OFPs. OCO funding continues procurement of G4 LITENING Pod and associated Datalink II for USMC expeditionary platforms (AV-8B, F/A-18, and EA-6B) and also funds Litening Pod OFPs development and integration on all USMC LITENING Pod capable platforms, as well as associated training equipment. This integration of the Common LITENING Pod OFP will be achieved via aircraft platform software Common OFPs. Overseas Contingency Operations (OCO) funding continues G4 upgrade and procures LITENING Pod peculiar support equipment to enable the loading of Pods onto deployed aircraft, will complete fielding of the Common LITENING Pod OFPs, and will validate required LITENING Pod software/firmware upgrades. FY14 OCO continued the Block 1 to G4 configuration upgrade, and continues to validate required LITENING Pod software/firmware upgrades. FY15 and FY16 baseline funding will continue the Block 1 to G4 configuration upgrade and will fund Common OFP V3 and V4 software modifications. FY16 OCO will continue the Block 1 to G4 configuration upgrade and will perform software/firmware validation.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series				Modification Number / Title: 1 / AV-8B LITENING POD (OSIP 023-00)					
Models of Systems Affected: AV-8B Night Attack & Radar/Reman				Modification Type: Upgrade				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: AV-8B LITENING POD (OSIP 023-00)													
A Kits													
Recurring													
1.1.1) Archived ECPs - Organic	433 / 20.405	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	433 / 20.405	
Subtotal: Recurring	- / 20.405	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.405	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 7.786	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.786	
Subtotal: Non-Recurring	- / 7.786	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.786	
B Kits													
Recurring													
2.1.1) Pod Upgrade Kits (BLOCK 1 to GEN4) - Organic (1)	5 / 7.310	10 / 13.105	15 / 23.985	9 / 13.279	- / -	9 / 13.279	- / -	4 / 7.310	4 / 7.456	- / -	- / -	47 / 72.445	
2.1.2) Pod Upgrade Kits (BLOCK 1 to GEN4) OCO - Organic (2)	16 / 23.394	30 / 39.549	- / -	- / -	24 / 35.412	24 / 35.412	- / -	- / -	- / -	- / -	- / -	70 / 98.355	
2.1.3) Common OFF V3 - Organic (3)	- / -	- / -	- / 4.095	- / 1.279	- / -	- / 1.279	- / -	- / -	- / -	- / -	- / -	- / 5.374	
2.1.4) Common OFF V4 - Organic (4)	- / -	- / -	- / -	- / 0.706	- / -	- / 0.706	- / 1.655	- / 2.686	- / 0.415	- / -	- / -	- / 5.462	
2.1.5) Archived ECPs - Organic	204 / 286.273	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	204 / 286.273	
2.1.6) Advanced Tactical Datalink (ATDL) WRA - Organic (5)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 4.957	29 / 13.309	104 / 48.561	144 / 66.827	
Subtotal: Recurring	- / 316.977	- / 52.654	- / 28.080	- / 15.264	- / 35.412	- / 50.676	- / 1.655	- / 9.996	- / 12.828	- / 13.309	- / 48.561	- / 534.736	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic (6)	- / 9.953	- / -	- / 0.962	- / 1.045	- / -	- / 1.045	- / 0.669	- / 4.334	- / 1.474	- / 1.064	- / 4.575	- / 24.076	
2.2.2) Installation Equipment N/R (OCO) - Organic	- / 26.687	- / 0.895	- / -	- / -	- / 0.847	- / 0.847	- / -	- / -	- / -	- / -	- / -	- / 28.429	
Subtotal: Non-Recurring	- / 36.640	- / 0.895	- / 0.962	- / 1.045	- / 0.847	- / 1.892	- / 0.669	- / 4.334	- / 1.474	- / 1.064	- / 4.575	- / 52.505	
Subtotal: AV-8B LITENING POD (OSIP 023-00)	658 / 381.808	40 / 53.549	15 / 29.042	9 / 16.309	24 / 36.259	33 / 52.568	- / 2.324	4 / 14.330	15 / 14.302	29 / 14.373	104 / 53.136	898 / 615.432	
Subtotal: Procurement, All Modification Items	- / 381.808	- / 53.549	- / 29.042	- / 16.309	- / 36.259	- / 52.568	- / 2.324	- / 14.330	- / 14.302	- / 14.373	- / 53.136	- / 615.432	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 1.748	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.748	
3.2) Data (7)	- / 0.084	- / -	- / 0.180	- / 0.182	- / -	- / 0.182	- / 0.158	- / 0.185	- / 0.189	- / 0.191	- / 1.005	- / 2.174	
3.3) Data (OCO) (8)	- / 0.772	- / 0.464	- / -	- / -	- / 0.025	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / 1.261	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series				Modification Number / Title: 1 / AV-8B LITENING POD (OSIP 023-00)				
Models of Systems Affected: AV-8B Night Attack & Radar/Reman				Modification Type: Upgrade				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.4) Training Equipment ⁽⁹⁾	- / 7.635	- / -	- / 0.336	- / 0.697	- / -	- / 0.697	- / 0.100	- / 0.246	- / 0.601	- / 0.102	- / 0.920	- / 10.637
3.5) Training Equipment (OCO)	- / 8.018	- / 3.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.704
3.6) Support Equipment	111 / 2.136	- / -	- / 0.144	- / 0.146	- / -	- / 0.146	- / 0.147	- / 0.149	- / 0.152	- / 0.893	- / 0.775	111 / 4.542
3.7) Support Equipment (OCO)	- / 5.077	- / 0.308	- / -	- / -	- / 0.201	- / 0.201	- / -	- / -	- / -	- / -	- / -	- / 5.586
3.8) ILS	- / 3.573	- / -	- / 0.122	- / 0.124	- / -	- / 0.124	- / 0.126	- / 0.127	- / 0.129	- / 0.131	- / 0.912	- / 5.244
3.9) ILS (OCO) ⁽¹⁰⁾	- / 0.754	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.754
3.10) Other Support	- / 50.491	- / -	- / 1.272	- / 1.292	- / -	- / 1.292	- / 1.307	- / 1.340	- / 1.366	- / 1.383	- / 6.962	- / 65.413
3.11) Other Support (OCO) ⁽¹¹⁾	- / 3.625	- / 0.599	- / -	- / -	- / 0.200	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / 4.424
3.12) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 83.913	- / 5.057	- / 2.054	- / 2.441	- / 0.426	- / 2.867	- / 1.838	- / 2.047	- / 2.437	- / 2.700	- / 10.574	- / 113.487
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	465.721	58.606	31.096	18.750	36.685	55.435	4.162	16.377	16.739	17.073	63.710	728.919

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0514 / AV-8 Series			Modification Number / Title: 1 / AV-8B LITENING POD (OSIP 023-00)	
Modification Item 1 of 1: AV-8B LITENING POD (OSIP 023-00)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - Archived ECPs					Installation Quantity: 433		
Method of Implementation (Organic): Organic - Pod Upgrade Kits (BLOCK 1 to GEN4)					Installation Quantity: 47		
Method of Implementation (Organic): Organic - Pod Upgrade Kits (BLOCK 1 to GEN4) OCO					Installation Quantity: 70		
Method of Implementation (Organic): Organic - Archived ECPs					Installation Quantity: 204		
Method of Implementation (Organic): Not Installed - Advanced Tactical Datalink (ATDL) WRA					Installation Quantity: 144		
Footnotes: ⁽¹⁾ Pod Upgrade Kits (Block 1 to Gen 4): Per unit costs fluctuate from year to year by more than inflation based on total quantity procured and whether procurement is in conjunction with other services, as unit cost is contracted on a sliding total quantity-based unit cost scale. Qty 10 added in FY14 due to reprioritization of program funds to accelerate upgrades. (Associated support costs do not fluctuate significantly based on quantities of kits procured, no additional support was required above and beyond what was budgeted with FY14 OCO). FY15 Unit cost updated based on negotiated contract prices. FY16 values are based on updated contract prices. FY17 -19 quantity and cost reduced based on requirement for Common Operational Flight Program (COFP) Version 4 (V4) software product and Advanced Tactical Datalink (ATDL). ⁽²⁾ Pod Upgrade Kits (BLOCK 1 to GEN4) OCO: Per unit costs fluctuate from year to year by more than inflation based on total quantity procured and whether procurement is in conjunction with other services, as unit cost is contracted on a sliding total quantity-based unit cost scale. FY14 quantity has changed 26 to 30 due to negotiated contract pricing and lesser NRE requirement. ⁽³⁾ Common OFP V3: Realigned from NRE element to B kit as this software upgrade will be implemented in aircraft via platform ECPs for AV-8B, F/A-18, and EA-6B. Costs fluctuate from year to year due to varying costs of contractor efforts to write Pod software, and following multiple-year Government efforts to write aircraft side software to integrate with contractor Pod software. Quantity is not reflected as each platform will produce software that will be incorporated via ECP at the O-level in all aircraft capable of utilizing the LITENING pod. ⁽⁴⁾ Common OFP V4: Added as planned implementation via aircraft platform ECP following completion of Common OFP V3. This software upgrade will be implemented in aircraft via platform ECPs for AV-8B, F/A-18, and EA-6B. Costs fluctuate from year to year due to varying costs of contractor efforts to write Pod software, and following multiple-year Government efforts to write aircraft side software to integrate with contractor Pod software. Quantity is not reflected as each platform will produce software that will be incorporated via ECP at the O-level in all aircraft capable of utilizing the LITENING pod. ⁽⁵⁾ Advanced Tactical Datalink (ATDL) WRA: Added in 2019 to meet requirement to permit collaborative and networked payloads to communicate with each other and determine appropriate action against multiple targets simultaneously.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 1 / AV-8B LITENING POD (OSIP 023-00)

⁽⁶⁾ Installation Equipment N/R: FY15 cost reduction due to realignment of funds to cost element 2.1.3 to properly account for Common OFP B-Kit software updates. NRE increase from FY15 to 16, and decrease again in FY17 is due to expected FY16 requirement for additional engineering expertise to evaluate procurement proposal. FY18 and FY19 increases are due to requirement to perform NRE in anticipation of procurement of ATDL in FY19; FY18 being the most intensive year for complex ATDL non-recurring engineering efforts. NRE fluctuates from year to year based on the complexity of the effort undergoing NRE.

⁽⁷⁾ Data: Amounts fluctuate per fiscal year due to changes in publication efforts planned for each year. The pubs cost changes due to number, type, and complexity of software / firmware updates planned each year.

⁽⁸⁾ Data (OCO): Required for LITENING Kits does not significantly fluctuate based on quantity of kits procured. Amount budgeted is the amount required above and beyond the FY16 baseline requirement.

⁽⁹⁾ Training Equipment: Costs added in FY15-FY20 to more accurately reflect the impact of the LITENING pod software ECPs on the aircrew and maintenance training systems previously budgeted under NRE. Increases in FY16 and FY19 reflect contract awards for Common OFP V3 and V4 trainer updates. FY15, 17, 18, 20 reflect NAWC TSD organic efforts for these upgrades. Costs fluctuate from year to year due to changing levels of effort required organically and by contracts to support COFP V3 and V4. As the effort progresses, the funds required fluctuates from year to year.

⁽¹⁰⁾ ILS (OCO): Required for LITENING Kits does not fluctuate based on quantity of kits procured. ILS support budgeted for the FY16 baseline kit procurement will provide the support needed for the OCO procurement.

⁽¹¹⁾ Other Support (OCO): Required for LITENING Kits does not significantly fluctuate based on quantity of kits procured. Amount budgeted is the amount required above and beyond the FY16 baseline requirement.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series						Modification Number / Title: 2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)		
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>)	48.563	4.196	3.942	3.864	-	3.864	3.778	3.886	3.939	3.442	15.759	91.369
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	48.563	4.196	3.942	3.864	-	3.864	3.778	3.886	3.939	3.442	15.759	91.369
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	48.563	4.196	3.942	3.864	-	3.864	3.778	3.886	3.939	3.442	15.759	91.369
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04) DESCRIPTION/JUSTIFICATION: The AV-8B is a single engine aircraft with unique capabilities. The Vertical/Short Take-off Landing environment is very unforgiving and allows no tolerance for engine problems. In the past, the Pegasus F402 has suffered from a sub-optimal safety and reliability record. The Engine Life Management Program is a comprehensive program to increase safety of flight and operational readiness of the AV-8B F402-RR-408 Engine. Funding provided is to incorporate Engineering Change Proposals (ECP) to increase safety of flight and operational readiness of the F-402-RR-408 Engine. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The Engine Life Management Program (ELMP) was developed in October 2000. Operational, Safety and Improvement Program 02-04 supports the Harrier AV-8B ELMP through Aircraft Procurement, Navy funding. Power Plant changes are required throughout the aircraft service life as the aircraft ages and operationally revealed deficiencies are discovered, researched, and solutions engineered. The Component Improvement Program, which is Research Development Test & Evaluation funded, provides for the development and demonstration of the engineered solutions to these deficiencies and Power Plant changes are initiated through the ECP process. The power plant program procures the necessary kits, installation, non-recurring engineering, peculiar support equipment, and technical data. The kits provided are for engine and propulsion related hardware to support the AV-8B F402-RR-408 engine such as Nozzle Guide Vanes, Pilot Lever Angle Units, Fuel Control Units, Generator Turbine Starters and accessory components, rotors and vanes for compressor sections, power turbines, combustion sections, exhaust ducts, engine monitor systems, and blade and vane coatings and foils to improve Foreign Object Damage tolerance. The purpose of the program is to increase safety of flight and operational readiness of the AV-8B F402-RR-408 Engine. The ELMP is comprised of several Engineering Project Description (EPD) investigations and Engine Endurance Tests. The EPD investigations and Endurance Tests provide data points for existing Fleet problems and predict future engineering issues of the F402-RR-408 propulsion system. ECPs resulting from Engineering Investigations and Endurance Test results will be researched. Their development will be formalized under the development program and incorporated into the F402-RR-408 via OSIP 02-04. Integrated Logistics Support funds logistics support efforts in coordination with the AV-8B international partners. Current Active Modifications: ECP - 1095 GTS Brake Seal ECP - 3852 R1 LPC 2/3 Vanes Hard Coating ECP - 3843 SAND TOLERANCE ECP - TBD EVICS Interrogator/Obsolescence ECP - TBD MK107 Conversion to 408B The following TBD ECP's are revisions to improve durability and increase component life and or introduce new parts due to obsolescence. Future Modifications:												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)
ECP - 0589 GTS Magnetic Chip Detector ECP - 1094 GTS Shutoff Dump Valve Lever ECP - 3705 AYC1375 Comb MRA 2 Piece Bottom Heat Shield ECP - 3629 Revised Oil Breather Vent Pipe ECP - 3641C1 #1 Bearing ECP - 3647 HP8 Pipe Clamps ECP - 3739 HPT1 NGV Hardcoating ECP - 3743 #4 Bearing ECP - 3800 AYC 1374 QEC 3 ECP - 3806 Rear Nozzle Trimmers ECP - 3848 R2 HPC Casing Manifold Bridge Pipe ECP - 3854 R2 LPC3 Vane Sealing Strip ECP - 3868R1 Spur Gear Lubrication ECP - TBD EVICS Interrogator/Obsolescence ECP - 3897 R1 HPT 1&2 ECP - 3898 Replacement Gears, GB ECP - 3904 Encapsulated Revision ECP - 3907 Gears External to Engine GB ECP - 3909 Fuel Manifold Drainpipe Redesign ECP - 3916 Repair Parts ECP - 3918 LPC1 Vane Thick Trailing Edge ECP - 3917 LPC2 Damper ECP - 3919 LPC1 Redesign ECP - 3922 Revised Oil Filters ECP - 3923 LPC1 Blade with LPB to Blade Root ECP - 3926 No.4 Bearing Housing & Oil Drain Tank Redesign ECP - 6649-10-004 T-26 MK-4 GTS/APU Obsolescence (LKE) ECP - TBD JETI T-4 T-7 Probes ECP - TBD Air Turbine Starter Obsolescence ECP - TBD #2 Bearing Redesign ECP - TBD Control System Obsolescence ECP - TBD Core Engine Obsolescence ECP - TBD CCOC Thermocouples ECP - TBD DCU RedesignECP - TBD DECU Obsolescence ECP - TBD DECU Phase SoftwareECP - TBD Engine Adapter Reliability Improvements ECP - TBD EVICS HMU Pilot Valve ECP - TBD EVICS IDEC POR Correction ECP - TBD Final Drive End ECP - TBD FMU Obsolescence ECP ECP - TBD HPC Vane Modification ECP - TBD In-Service Oil Analysis ECP - TBD GTS Main Gear Box Housing Obsolescence ECP - TBD GTS Flame Tube Assembly Improvement ECP - TBD Compressor Turbine Nozzle & Spigot Ring Assembly Improvement ECP - TBD Power Turbine Rotor Redesign- Improvement ECP - TBD LPB Improvements		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)
ECP - TBD LPC 1 Blade Dovetail Coatings LPB ECP - TBD LPC 1 Blade FOD Tolerance LPB ECP - TBD LPT1 Liner ECP - TBD New Break-in Box With Expanded Capability ECP - TBD New Starter Contactor - Improved Reliability ECP - TBD Nozzle and Spigot Ring Assembly Reliability Improvement ECP - TBD Obsolescence Protection Unit ECP - TBD Obsolescence Starter Contactor ECP - TBD Obsolescence Starter Motor ECP - TBD PLAU Shut Off Valve ECP - TBD Power Turbine Rotor Blade Failure Fix ECP - TBD SET 2006-F402-01 LPB Vanes ECP - TBD Thrust Push Improvements ECP - TBD 1st Planet Gear Redesign ECP - TBD Compressor Turbine Nozzle Redesign		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series				Modification Number / Title: 2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)					
Models of Systems Affected: AV-8B Night Attack & Radar/Reman				Modification Type: Upgrade				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)													
A Kits													
Recurring													
1.1.1) ECP-3843 SAND TOLERANCE - Organic	449 / 11.509	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	449 / 11.509	
1.1.2) ECP-1095 GTS Brake Seal - Organic	- / -	39 / 0.525	40 / 0.577	41 / 0.600	- / -	41 / 0.600	43 / 0.630	43 / 0.630	43 / 0.680	8 / 0.120	- / -	257 / 3.762	
1.1.3) ECP TBD EVICS Interrogator / Obsolescence - Organic	- / -	3 / 0.155	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	194 / 6.000	197 / 6.155	
1.1.4) ECP 3852 R1 LPC 2/3 Vanes Hard Coating - Organic	- / -	- / -	3 / 0.300	3 / 0.300	- / -	3 / 0.300	3 / 0.300	- / -	- / -	- / -	- / -	9 / 0.900	
1.1.5) ECP TBD LPC1 Redesign - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	3 / 0.300	
1.1.6) ECP TBD #2 Bearing Redesign - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	3 / 0.300	
1.1.7) ECP TBD CCOC Thermocouples - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	3 / 0.300	
1.1.8) ECP TBD FMU Obsolescence - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	192 / 3.000	192 / 3.000	
1.1.9) ECP TBD MK107 Conversion to 408B - Organic	- / -	- / -	1 / 0.528	1 / 0.534	- / -	1 / 0.534	1 / 0.536	1 / 0.538	1 / 0.540	1 / 0.550	- / -	6 / 3.226	
Subtotal: Recurring	- / 11.509	- / 0.680	- / 1.405	- / 1.434	- / -	- / 1.434	- / 1.466	- / 1.168	- / 1.220	- / 0.670	- / 9.900	- / 29.452	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 0.104	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.104	
Subtotal: Non-Recurring	- / 0.104	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.104	
B Kits													
Non-Recurring													
2.1.1) Installation Equipment N/R - Organic	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	
Subtotal: Non-Recurring	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	
Subtotal: ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)	449 / 12.013	42 / 0.680	44 / 1.405	45 / 1.434	- / -	45 / 1.434	47 / 1.466	44 / 1.168	44 / 1.220	9 / 0.670	395 / 9.900	1,119 / 29.956	
Subtotal: Procurement, All Modification Items	- / 12.013	- / 0.680	- / 1.405	- / 1.434	- / -	- / 1.434	- / 1.466	- / 1.168	- / 1.220	- / 0.670	- / 9.900	- / 29.956	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Data	- / 3.801	- / 0.475	- / 0.460	- / 0.300	- / -	- / 0.300	- / 0.300	- / 0.300	- / 0.300	- / 0.300	- / 1.737	- / 7.973	
3.4) Support Equipment	- / 13.741	- / 1.230	- / 0.419	- / 0.407	- / -	- / 0.407	- / 0.411	- / 0.410	- / 0.516	- / 0.526	- / 1.020	- / 18.680	
3.5) Generator Control Unit Test Set Obsolescence	- / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.700	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series				Modification Number / Title: 2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)					
Models of Systems Affected: AV-8B Night Attack & Radar/Reman				Modification Type: Upgrade				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.6) ILS ⁽¹²⁾	- / 13.940	- / 1.552	- / 1.325	- / 1.413	- / -	- / 1.413	- / 1.434	- / 1.796	- / 1.685	- / 1.724	- / 2.053	- / 26.922	
3.7) Other Support ⁽¹³⁾	- / 4.368	- / 0.259	- / 0.333	- / 0.310	- / -	- / 0.310	- / 0.167	- / 0.212	- / 0.218	- / 0.222	- / 1.049	- / 7.138	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 36.550	- / 3.516	- / 2.537	- / 2.430	- / -	- / 2.430	- / 2.312	- / 2.718	- / 2.719	- / 2.772	- / 5.859	- / 61.413	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	48.563	4.196	3.942	3.864	-	3.864	3.778	3.886	3.939	3.442	15.759	91.369	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0514 / AV-8 Series			Modification Number / Title: 2 / ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)	
Modification Item 1 of 1: ENGINE LIFE MANAGEMENT PROGRAM (OSIP 002-04)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - ECP-3843 SAND TOLERANCE					Installation Quantity: 449		
Method of Implementation (Organic): Not Installed - ECP-1095 GTS Brake Seal					Installation Quantity: 257		
Method of Implementation (Organic): Organic - ECP TBD EVICS Interrogator / Obsolescence					Installation Quantity: 197		
Method of Implementation (Organic): Not Installed - ECP 3852 R1 LPC 2/3 Vanes Hard Coating					Installation Quantity: 9		
Method of Implementation (Organic): Not Installed - ECP TBD LPC1 Redesign					Installation Quantity: 3		
Method of Implementation (Organic): Not Installed - ECP TBD #2 Bearing Redesign					Installation Quantity: 3		
Method of Implementation (Organic): Not Installed - ECP TBD CCOC Thermocouples					Installation Quantity: 3		
Method of Implementation (Organic): Not Installed - ECP TBD FMU Obsolescence					Installation Quantity: 192		
Method of Implementation (Organic): Not Installed - ECP TBD MK107 Conversion to 408B					Installation Quantity: 6		
Footnotes: ⁽¹²⁾ ILS FY16-FY20 increased to reflect Logistic support efforts to Cherry Point and Rolls Royce in coordination with AV-8B International partners. ⁽¹³⁾ Other Support increases in FY16-19 are due to NAWC rate changes.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 3 / ALE-47 (OSIP 025-04)

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>)	22.188	-	-	-	-	-	-	-	-	-	-	22.188
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	22.188	-	-	-	-	-	-	-	-	-	-	22.188
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	22.188	-	-	-	-	-	-	-	-	-	-	22.188
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION:

ALE-47 is a form-fit enhanced functionality countermeasures dispenser system replacement for the obsolete ALE-39. The ALE-47 installs more reliable digital sequencers and dispenser magazines to improve aircraft readiness. The Warfare Management Computer (WMC) software will be modified to allow full ALE-47 functionality. FY09 and FY12 Overseas Contingency Operations funds are provided for the procurement and installation of 125 ALE-47 wiring kits. These kits will provide the deployed fleet with increased readiness, reducing the risk associated with the limited electronic warfare capabilities that the current ALE-39 configuration provides. This effort provides for the update of the WMC Software and procurement of additional hardware to bring the present day system up to full ALE-47 functionality.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Improves aircraft readiness by replacing failure prone analog sequencers and providing expanded countermeasures capability. Positions the AV-8B for future integration of advanced countermeasures expendables and programs.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0514 / AV-8 Series					Modification Number / Title: 3 / ALE-47 (OSIP 025-04)		
Models of Systems Affected: AV-8B					Modification Type: Upgrade					Related RDT&E PEs:		
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: ALE-47 (OSIP 025-04)												
A Kits												
Recurring												
1.1.1) ALE-47 Wiring ECP 311 - Organic	83 / 1.569	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	83 / 1.569
1.1.2) ALE-47 Wiring ECP 311R1 - NonOrganic ⁽¹⁴⁾	125 / 1.156	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	125 / 1.156
Subtotal: Recurring	- / 2.725	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.725
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 3.344	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.344
Subtotal: Non-Recurring	- / 3.344	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.344
Subtotal: ALE-47 (OSIP 025-04)	208 / 6.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	208 / 6.069
Subtotal: Procurement, All Modification Items	- / 6.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.069
Support (All Modification Items)												
2.1) Engineering Change Orders	- / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300
2.2) Data	- / 1.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.027
2.3) Data (OCO)	- / 0.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.107
2.4) Training Equipment	- / 3.371	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.371
2.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.6) ILS	- / 5.394	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.394
2.7) Other Support	- / 2.098	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.098
2.8) Other Support (OCO)	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.016
Subtotal: Support	- / 13.313	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.313
Installation												
Modification Item 1 of 1: ALE-47 (OSIP 025-04)	- / 2.806	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.806
Subtotal: Installation	- / 2.806	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.806
Total												
Total Cost (Procurement + Support + Installation)	22.188	-	-	-	-	-	-	-	-	-	-	22.188

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0514 / AV-8 Series										Modification Number / Title: 3 / ALE-47 (OSIP 025-04)											
Modification Item 1 of 1: ALE-47 (OSIP 025-04)																															
Manufacturer Information																															
Manufacturer Name: Various															Manufacturer Location: Various																
Administrative Leadtime (in Months): 0															Production Leadtime (in Months): 0																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Installation will be accomplished by a field MOD team.:: Installation Name: ALE-47 Wiring ECP 311R1																															
Installation Cost		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							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		92 / 2.806		27 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		119 / 2.806					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		92 / 2.806		27 / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		119 / 2.806					
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	92	8	7	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119
Out	92	8	7	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119
Method of Implementation (Organic): Organic - ALE-47 Wiring ECP 311																															
																				Installation Quantity: 83											
Footnotes: ⁽¹⁴⁾ FY13 and FY14 installs funded with FY12 OCO. The delta (6) between procurements and installments are due to the loss of six aircraft in OEF in September 2012 before their kits were installed.																															

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series					Modification Number / Title: 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)			
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)	113.651	33.910	26.684	19.276	4.680	23.956	30.115	14.937	15.189	16.063	66.275	340.780
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	113.651	33.910	26.684	19.276	4.680	23.956	30.115	14.937	15.189	16.063	66.275	340.780
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	113.651	33.910	26.684	19.276	4.680	23.956	30.115	14.937	15.189	16.063	66.275	340.780
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION: Obsolescence Replacement provides for maintaining the readiness of the AV-8B weapons system until its projected end of service, which is now 2025 or until replaced by short take-off and vertical landing (STOVL) operations F-35B. This requires the airframe and integrated systems to exceed planned service life and requires both systems modifications and obsolescence solutions. Funds will be utilized to manage, process and incorporate Engineering Change Proposals (ECPs) and implement changes to sustain and improve AV-8B weapons system readiness including safety, mission availability, structural integrity, air-to-air weapon system employment, and component (avionics/systems) reliability, maintainability, and obsolescence conditions as they arise. This program may be required to provide emergent, timely remedial action for any aircraft system, component or structure. Due to Fleet Primary Aircraft Authorized inventory shortfalls, all depot level modification installations must be planned and programmed concurrent with Integrated Maintenance Plan scheduled depot overhaul events to minimize aircraft out-of-service periods, unless safety or aircraft availability require stand alone installations. FY14 Overseas Contingency Operations (OCO) requested in the amount of \$12.150M procured Airborne Variable Message Format (VMF) Terminal and associated ECPs, trainer updates, and logistic data. USMC Future force laydown plans incorporates elements of Marine Aviation, including AV-8Bs deployed in support of the Central Command area of responsibility (AOR) and Operation Freedom's Sentinel (OFS) though FY16. AV-8Bs will deploy in support of OFS in support of regularly deploying Marine Expeditionary Units (MEU) and/or Special-Purpose Marine Air-Ground Task Forces (SPMAGTF) through FY16. The upgrade to Digital Close Air Support capability, using the Airborne VMF Terminal (AVT), is operationally required for use in theater in direct support of combat operations, by replacing the currently used Automatic Target Handoff System II (ATHS-II), which uses the obsolete Marine Tactical Standard (MTS) protocol. Use of the Variable Message Format (VMF) protocol that will be enabled by the AVT will provide the AV-8B with a digitally interoperable solution for communication with the MAGTF, DOD and Joint Forces in OFS, enabling compliance with CENTCOM Air Tasking Orders for digital CAS tasking. As the AV-8B must currently rely on voice communication with other aircraft and ground units not utilizing MTS, VMF use as a replacement for MTS will reduce risk of fratricide and provide certainty of target selection. Utilization of the VMF protocol via the AVT will enable the platform to execute digital close air support mission tasking in support of the AV-8B primary mission of Close Air Support. Current and future contingency operations require urban target identification or target identification in close proximity to ground forces. AVT will improve target location and identification communication in these CAS taskings. FY16 OCO will continue this effort by procuring additional AVT units and updating associated logistics elements. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Non-recurring engineering and integrated logistic support (ILS) work continues for ECPs, procurements and installations for new and ongoing obsolescence and readiness requirements. Key efforts include Cold Air Unit Turbine, Canopy Latch, Speedbrake, Center Tank Structural Modification, Frame 11, Frame 29, Frame 41, and Frame 43 safety, integrity and obsolesence, data/ILS updates for ECPs, support equipment procurements unique to the use of the BRU-70, and Display Computer. Various kit procurements and installations continue throughout the Future Years Defense Plan. FY14 OCO began procurement of the Airborne VMF Terminal and associated trainer upgrades and logistics data procurements/updates. NRE will fluctuate due to mix and complexity of Readiness Management Plan ECPs being written and verified in each year. All ECPs do not require the same level of NRE. FY15 - FY20 Qty profile updated based on Depot's current schedule for modification installation.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)
Qty updated for ECP-PMA257-2011-00002 Digital Video Recorder (DVR) to reflect current requirements. Current Active Modifications: ECP-MDA-AV-8B-0282 Fuel Coupling P2 ECP-PMA257-2011-0001 Center Tank Structural Mod ECP-MDA-AV-8B-0323 Nose Landing Gear Steering Dowel Pin (NLG Steering) ECP-PMA257-2008-0005 Frame 41 Tail Plane Guide ECP-PMA257-2008-0004 Frame 43 Bushing ECP-MDA-AV-8B-0331 Frame 11 ECP-MDA-AV-8B-0333 Nose Landing Gear Down Lock ECP-MDA-AV-8B-0332 Canopy Latch ECP-PMA257-2010-0002 Frame 29 Structure Mod ECP-TBD Cold Air Unit Turbine ECP-TBD Speedbrake ECP-PMA257-2011-0002 Digital Video Recorder (DVR) ECP-PMA257-2013-0001 Airborne VMF Terminal (OCO) ECP-TBD Inboard Throttle Transverse Shaft ECP-TBD Utility Test Panel Upgrade ECP-TBD Radar Environmental Cooling System Filter Incorporation ECP-TBD Brake Temperature Monitoring System Incorporation ECP-TBD Heads Up Display (HUD) Combining Glass Obsolescence Resolution ECP-TBD Seat Caution Light Incorporation Future Modifications: ECP-TBD LAU-127 Launcher ECP-TBD Strut Servicing Indicator Incorporation ECP-TBD Outboard Pylon Forward Attach Fitting ECP-MDA-AV-8B-0303 Electronic Airspeed Altitude Sensor/Mode Selector (EAAS) ECP-PMA257-2010-0001 Radar Display Computer ECP-MDA-AV-8B-0327 Thermal Battery ECP-TBD Fatigue Life Extension Tracking (FLE) ECP-PMA257-2010-004R1 Single Card Programmer ECP-TBD GR-9 Compatibility		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series					Modification Number / Title: 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)				
Models of Systems Affected:				Modification Type:					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: OBSOLESCENCE REPLACEMENT (OSIP 006-06)													
A Kits													
Recurring													
1.1.1) ECP-MDA-AV-8B-0282 Fuel Coupling P2 - NonOrganic	146 / 1.743	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	146 / 1.743	
1.1.2) ECP-PMA257-2011-0001 Center Tank Structural Modification - NonOrganic ⁽¹⁵⁾	35 / 1.287	12 / 0.374	13 / 0.364	13 / 0.371	- / -	13 / 0.371	12 / 0.349	10 / 0.296	- / -	- / -	- / -	95 / 3.041	
1.1.3) ECP-MDA-AV-8B-0323 Nose Landing Gear Steering Dowel Pin - NonOrganic	141 / 0.154	- / -	- / -	25 / 0.038	- / -	25 / 0.038	- / -	- / -	- / -	- / -	- / -	166 / 0.192	
1.1.4) ECP-PMA257-2008-0005 Frame 41 Tail Plane Guide - NonOrganic ⁽¹⁶⁾	31 / 0.762	24 / 0.453	10 / 0.189	10 / 0.193	- / -	10 / 0.193	10 / 0.196	10 / 0.200	20 / 0.408	18 / 0.374	- / -	133 / 2.775	
1.1.5) ECP PMA257-2008-0004 Frame 43 Bushings - NonOrganic ⁽¹⁷⁾	49 / 0.570	24 / 0.123	15 / 0.038	15 / 0.038	- / -	15 / 0.038	18 / 0.047	10 / 0.027	- / -	- / -	- / -	131 / 0.843	
1.1.6) ECP-PMA257-2011-0003 Frame 11 - NonOrganic ⁽¹⁸⁾	- / -	6 / 0.336	15 / 0.661	4 / 0.141	- / -	4 / 0.141	3 / 0.138	11 / 0.587	18 / 0.907	5 / 0.750	9 / 1.350	71 / 4.870	
1.1.7) ECP-MDA-0333-Nose Landing Gear Down Lock - NonOrganic ⁽¹⁹⁾	- / -	6 / 0.030	15 / 0.076	4 / 0.020	- / -	4 / 0.020	3 / 0.017	11 / 0.063	18 / 0.106	8 / 0.048	6 / 0.036	71 / 0.396	
1.1.8) ECP-MDA-AV-8B-0332 Canopy Latch - NonOrganic ⁽²⁰⁾	- / -	19 / 0.412	24 / 0.491	24 / 0.501	- / -	24 / 0.501	24 / 0.510	17 / 0.483	- / -	- / -	- / -	108 / 2.397	
1.1.9) ECP-TBD LAU-127 Launcher - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 1.485	
1.1.10) ECP-PMA257-2010-0002 Frame 29 Structure Modification - NonOrganic ⁽²¹⁾	18 / 1.235	7 / 0.460	3 / 0.179	4 / 0.243	- / -	4 / 0.243	4 / 0.248	4 / 0.252	6 / 0.386	6 / 0.393	- / -	52 / 3.396	
1.1.11) ECP-TBD Cold Air Unit Turbine - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.992	1 / 0.098	1 / 0.098	- / -	125 / 12.250	133 / 13.438	
1.1.12) ECP-TBD Speedbrake - Organic	- / -	- / -	22 / 1.276	26 / 1.508	- / -	26 / 1.508	86 / 5.047	- / -	- / -	- / -	- / -	134 / 7.831	
1.1.13) ECP-PMA257-2011-0002 Digital Video Recorder (DVR) - Organic ⁽²²⁾	- / -	- / -	137 / 1.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	137 / 1.059	
1.1.14) ECP-TBD Seat Caution Light Incorporation - NonOrganic	- / -	- / -	- / -	3 / 0.060	- / -	3 / 0.060	20 / 0.200	20 / 0.204	20 / 0.208	20 / 0.212	51 / 0.550	134 / 1.434	
1.1.15) ECP-TBD Utility Test Panel Upgrade - NonOrganic	- / -	- / -	- / -	2 / 0.062	- / -	2 / 0.062	20 / 0.540	20 / 0.550	20 / 0.561	19 / 0.543	- / -	81 / 2.256	
1.1.16) ECP-TBD Radar Environmental Cooling System (ECS) Filter Incorporation - Organic	- / -	- / -	- / -	31 / 0.775	- / -	31 / 0.775	52 / 1.417	- / -	- / -	- / -	- / -	83 / 2.192	
1.1.17) ECP-TBD Heads Up Display (HUD) Combining Glass Obsolescence Resolution - Organic	- / -	- / -	- / -	2 / 0.100	- / -	2 / 0.100	4 / 0.200	10 / 0.250	23 / 0.627	7 / 0.208	72 / 2.331	118 / 3.716	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series				Modification Number / Title: 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)				
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
1.1.18) A Kits/Recurring - ARCHIVED ECPs - NonOrganic	2,129 / 7.715	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,129 / 7.715
<i>Subtotal: Recurring</i>	- / 13.466	- / 2.188	- / 4.333	- / 4.050	- / -	- / 4.050	- / 9.901	- / 3.010	- / 3.301	- / 2.528	- / 18.002	- / 60.779
Non-Recurring												
1.2.1) Installation Kits N/R - Organic ⁽²³⁾	- / 11.974	- / 8.687	- / 9.970	- / 2.304	- / -	- / 2.304	- / 2.138	- / 0.505	- / 0.625	- / 0.504	- / 2.567	- / 39.274
1.2.2) Installation Kits N/R (OCO) - Organic	- / 4.532	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.532
<i>Subtotal: Non-Recurring</i>	- / 16.506	- / 8.687	- / 9.970	- / 2.304	- / -	- / 2.304	- / 2.138	- / 0.505	- / 0.625	- / 0.504	- / 2.567	- / 43.806
B Kits												
Recurring												
2.1.1) ECP-TBD Inboard Throttle Transverse Shaft - Organic	- / -	- / -	- / -	2 / 0.015	- / -	2 / 0.015	134 / 1.211	- / -	- / -	- / -	- / -	136 / 1.226
2.1.2) ECP-PMA257-2013-0001 Airborne VMF Terminal (OCO) - Organic	- / -	65 / 4.225	- / -	- / -	50 / 3.450	50 / 3.450	- / -	- / -	- / -	- / -	- / -	115 / 7.675
2.1.3) B Kits Recurring - ARCHIVED ECPs - Organic	- / 22.521	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.521
<i>Subtotal: Recurring</i>	- / 22.521	- / 4.225	- / -	- / 0.015	- / 3.450	- / 3.465	- / 1.211	- / -	- / -	- / -	- / -	- / 31.422
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽²⁴⁾	- / 17.686	- / 0.710	- / 2.528	- / 0.510	- / -	- / 0.510	- / 0.585	- / -	- / -	- / -	- / -	- / 22.019
2.2.2) Installation Equipment N/R (OCO) - Organic	- / -	- / 7.081	- / -	- / -	- / 0.830	- / 0.830	- / -	- / -	- / -	- / -	- / -	- / 7.911
<i>Subtotal: Non-Recurring</i>	- / 17.686	- / 7.791	- / 2.528	- / 0.510	- / 0.830	- / 1.340	- / 0.585	- / -	- / -	- / -	- / -	- / 29.930
<i>Subtotal: OBSOLESCENCE REPLACEMENT (OSIP 006-06)</i>	2,549 / 70.179	163 / 22.891	254 / 16.831	165 / 6.879	50 / 4.280	215 / 11.159	396 / 13.835	124 / 3.515	126 / 3.926	83 / 3.032	318 / 20.569	4,228 / 165.937
<i>Subtotal: Procurement, All Modification Items</i>	- / 70.179	- / 22.891	- / 16.831	- / 6.879	- / 4.280	- / 11.159	- / 13.835	- / 3.515	- / 3.926	- / 3.032	- / 20.569	- / 165.937
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽²⁵⁾	- / 1.061	- / 0.134	- / 0.342	- / 0.450	- / -	- / 0.450	- / 0.055	- / 0.150	- / -	- / -	- / -	- / 2.192
3.3) Data (OCO)	- / -	- / 0.130	- / -	- / -	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / 0.230
3.4) Training Equipment	- / 0.314	- / 0.254	- / 0.090	- / 0.100	- / -	- / 0.100	- / -	- / 0.080	- / 0.008	- / -	- / -	- / 0.846
3.5) Training Equipment (OCO)	- / -	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.120
3.6) Support Equipment	- / 5.256	- / 0.133	- / 0.805	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	- / 6.244
3.7) Support Equipment (OCO)	- / -	- / 0.306	- / -	- / -	- / 0.100	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / 0.406
3.8) ILS ⁽²⁶⁾	- / 1.596	- / 0.622	- / 0.822	- / 0.735	- / -	- / 0.735	- / 0.661	- / 0.686	- / 0.650	- / 0.663	- / 3.376	- / 9.811
3.9) ILS (OCO)	- / -	- / 0.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.125
3.10) Other Support ⁽²⁷⁾	- / 23.067	- / 5.572	- / 4.741	- / 5.149	- / -	- / 5.149	- / 4.936	- / 5.029	- / 5.125	- / 5.212	- / 26.543	- / 85.374

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0514 / AV-8 Series					Modification Number / Title: 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)			
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.11) Other Support (OCO)	- / -	- / 0.163	- / -	- / -	- / 0.200	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / 0.363	
3.12) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 31.294	- / 7.559	- / 6.800	- / 6.434	- / 0.400	- / 6.834	- / 5.652	- / 5.945	- / 5.783	- / 5.875	- / 29.969	- / 105.711	
Installation													
<i>Modification Item 1 of 1:</i> OBSOLESCENCE REPLACEMENT (OSIP 006-06)	- / 12.178	- / 3.460	- / 3.053	- / 5.963	- / -	- / 5.963	- / 10.628	- / 5.477	- / 5.480	- / 7.156	- / 15.737	- / 69.132	
<i>Subtotal: Installation</i>	- / 12.178	- / 3.460	- / 3.053	- / 5.963	- / -	- / 5.963	- / 10.628	- / 5.477	- / 5.480	- / 7.156	- / 15.737	- / 69.132	
Total													
Total Cost (Procurement + Support + Installation)	113.651	33.910	26.684	19.276	4.680	23.956	30.115	14.937	15.189	16.063	66.275	340.780	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0514 / AV-8 Series										Modification Number / Title: 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)													
Modification Item 1 of 1: OBSOLESCENCE REPLACEMENT (OSIP 006-06)																																	
Manufacturer Information																																	
Manufacturer Name: Various ⁽²⁸⁾															Manufacturer Location: Various																		
Administrative Leadtime (in Months): 0															Production Leadtime (in Months): 0																		
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020							
Contract Dates																																	
Delivery Dates																																	
Installation Information																																	
Method of Implementation: Safety:: Installation Name: OBSOLESCENCE REPLACEMENT (OSIP 006-06)																																	
Installation Cost		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										
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)										
Prior Years		188 / 12.178		78 / 3.460		67 / 2.674		60 / 2.612		- / 0.000		60 / 2.612		24 / 0.063		3 / 0.008		- / -		- / -		- / -		420 / 20.995									
FY 2014		- / -		- / -		21 / 0.379		37 / 2.801		- / -		37 / 2.801		40 / 3.064		- / -		- / -		- / -		- / -		98 / 6.244									
FY 2015		- / -		- / -		- / -		24 / 0.424		- / -		24 / 0.424		50 / 6.955		21 / 1.507		- / -		- / -		- / -		95 / 8.886									
FY 2016		- / -		- / -		- / -		5 / 0.126		- / -		5 / 0.126		27 / 0.515		63 / 3.240		9 / 1.521		- / -		- / -		104 / 5.402									
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.031		72 / 0.719		33 / 2.665		9 / 1.331		- / -		120 / 4.746									
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.003		81 / 1.291		25 / 4.798		7 / 0.827		114 / 6.919									
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.003		66 / 1.027		36 / 7.580		103 / 8.610									
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		76 / 3.156		76 / 3.156									
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		191 / 4.174		191 / 4.174									
Total		188 / 12.178		78 / 3.460		88 / 3.053		126 / 5.963		- / -		126 / 5.963		147 / 10.628		160 / 5.477		124 / 5.480		100 / 7.156		310 / 15.737		1,321 / 69.132									
Installation Schedule																																	
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	188	14	13	17	34	17	27	25	19	31	38	32	25	35	40	47	25	33	48	43	36	22	41	38	23	14	34	42	10	310	1,321		
Out	188	6	8	14	15	36	23	18	24	24	30	41	31	27	35	43	43	39	29	47	46	28	23	38	41	19	11	34	45	315	1,321		
Method of Implementation (Organic): Not Installed - ECP-TBD LAU-127 Launcher																														Installation Quantity: 55			
Method of Implementation (Organic): Organic - ECP-TBD Speedbrake																														Installation Quantity: 134			

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)
Modification Item 1 of 1: OBSOLESCENCE REPLACEMENT (OSIP 006-06)		
Installation Information		
Method of Implementation (Organic): Organic - ECP-PMA257-2011-0002 Digital Video Recorder (DVR)		Installation Quantity: 137
Method of Implementation (Organic): Organic - ECP-TBD Radar Environmental Cooling System (ECS) Filter Incorporation		Installation Quantity: 83
Method of Implementation (Organic): Organic - ECP-TBD Heads Up Display (HUD) Combining Glass Obsolescence Resolution		Installation Quantity: 118
Method of Implementation (Organic): Organic - ECP-TBD Inboard Throttle Transverse Shaft		Installation Quantity: 136
Method of Implementation (Organic): Organic - ECP-PMA257-2013-0001 Airborne VMF Terminal (OCO)		Installation Quantity: 115
Footnotes: (15) ECP-PMA257-2011-0001 Center Tank Structural Modification: FY15-FY20 Qty profile updated based on Depot's current schedule for modification installation. Installation costs reflect organic labor rates for disassembly/reassembly required to complete mod due to contractor reductions at FRCs. (16) ECP-PMA257-2008-0005 Frame 41 Tail Plane Guide: FY15 - FY20 Qty profile updated based on Depot's current schedule for modification installation. (17) ECP PMA257-2008-0004 Frame 43 Bushings: FY15 - FY20 Qty profile updated based on Depot's current schedule for modification installation. (18) ECP-PMA257-2011-0003 Frame 11: Differences in unit costs for A-Kits are due to difference in materials used in the kits. T/AV-8B kits are aluminum and the remaining three configurations utilize titanium. Installation costs for PMI 1 events are expensive because Depot has to completely open the aircraft vice partial panel only. The projected labor hours of this mod is 4,000 hours to complete each installation. (19) ECP-MDA-0333-Nose Landing Gear Down Lock: Emergent structural reinforcement safety requirement identified during engineering development of Frame 11 modification which must be installed concurrently. FY14 resources align with Frame 11 lead time to install. (20) ECP-MDA-AV-8B-0332 Canopy Latch: A-Kit unit cost increase in FY18 due to the reduction of GR-9 conversion supplemental kits being bought and the increase of full production kits being bought. (21) ECP-PMA257-2010-0002 Frame 29 Structure Modification: FY15-FY20 Qty profile updated based on Depot's current schedule for modification installation. Installation costs reflect organic labor rates for disassembly/reassembly required to complete mod due to contractor reductions at FRCs. (22) ECP-PMA257-2011-0002 Digital Video Recorder (DVR): Prior Year quantity/cost deleted due to required configuration changes identified during val/ver, which required additional non-recurring engineering. A kit and associated non-recurring, logistic support and data efforts moved to FY15 to reflect current execution plans. Quantity updated in FY15 to reflect current requirements. (23) Installation kits NRE reflects funding for emergent safety, obsolescence and aging aircraft requirements for Cold Air Unit, Center Tank Structural Mod, GR-9 Compatibility, Canopy Latch, Seat Caution Light, Radar Environmental Cooling Systems Filter, Brake Temperature Monitoring System, Heads Up Display Combining Glass Obsolescence, and Speedbrake. NRE will fluctuate due to mix and complexity of RMP ECPs being written and verified each year. All ECPs do not require the same level of NRE. FY15 cost increase due to non-recurring engineering required as a result of DVR A kit val/ver in order to release and install this ECP. (24) Equip NRE will fluctuate due to mix and complexity of RMP ECPs being written and verified in each year. All ECPs do not require the same level of NRE. (25) Please include, or send back to me to include text in osip 06-06 for Data (25): Data amounts fluctuate per fiscal year due to changes in publication efforts planned per each year. The pubs cost changes due to number, type, and complexity of ECPs. FY15 cost increase due to data required as a result of DVR A Kit val/ver in order to release and install this ECP. FY16 publication efforts to support following ECPs: Seat Caution light, Radar ECS inline Filtration, Nose Landing Geer, Frame 11 and In Board throttle shaft.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0514 / AV-8 Series	Modification Number / Title: 4 / OBSOLESCENCE REPLACEMENT (OSIP 006-06)
(26) ILS FY15 cost increase due to logistic support required as a result of DVR A kit val/ver in order to release and install this ECP. (27) Other support funding reflects required obsolescence mitigation including avionic, hydraulic, electrical, flight controls, and structures bill of material development, obsolescence ECP forecasting, and GR-9 component compatibility ECPs in order to support the extended end of service date. The increases in FY16-19 are due to NAWC rate changes. (28) Contract and delivery dates are not provided due to the compilation of various ECPs, which compose the install schedule and have different individual contract and delivery dates.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series						Modification Number / Title: 5 / Inactive Osips		
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>	459.605	-	-	-	-	-	-	-	-	-	-	459.605
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	459.605	-	-	-	-	-	-	-	-	-	-	459.605
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	459.605	-	-	-	-	-	-	-	-	-	-	459.605
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0514 / AV-8 Series					Modification Number / Title: 5 / Inactive Osips				
Models of Systems Affected:				Modification Type:					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: N/A													
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
1.1) Inactive Osips	- / 459.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 459.605	
1.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
1.3) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
1.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
1.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
1.6) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
1.7) Other Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 459.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 459.605	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	459.605	-	-	-	-	-	-	-	-	-	-	459.605	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0514 / AV-8 Series			Modification Number / Title: 5 / Inactive Osips		
<i>Modification Item 1 of 1:</i> N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0522 / Adversary					
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>	50.059	2.992	4.918	5.816	-	5.816	1.417	0.639	3.682	3.754	11.893	85.170
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	50.059	2.992	4.918	5.816	-	5.816	1.417	0.639	3.682	3.754	11.893	85.170
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	50.059	2.992	4.918	5.816	-	5.816	1.417	0.639	3.682	3.754	11.893	85.170
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This item funds F-16 Structure Enhancement Program and F-5 SLEP modifications to adversary aircraft used to train the Navy's pilots for combat. These aircraft are a combination of the 44 F-5 Tiger IIs (41 F-5Ns and 3 F-5Fs), the F-16 Fighting Falcon (10 F-16As and 4 F-16Bs), and the J85 Engine supporting the F-5F/N. Ten DoN F-16As require FALCON UP structure enhancement to mitigate expected structural cracking. Without FALCON UP, NAVAIR 4.3 expects less than half of the F-16As to remain in service through the FYDP. Action funds FALCON UP for all 10 F-16As. The F-5 SLEP Program supports 44 aircraft that provide 59% of essential adversary sorties in support of TOPGUN, Fleet Replacement Squadron, Carrier Strike Group, Carrier Airwing and Unit Deployment Plan training. This extends structural life of the F-5 to 2025. These programs fund the incorporation of structural component modifications required for adversary aircraft to extend service life in support of Fleet training to include TOPGUN, Fleet Replacement Squadron, Carrier Airwing, and Unit Deployment Plan training. These modifications include Non-Recurring Engineering and will address structural issues that will cause grounding of aircraft starting in FY16 if airframes are not retrofitted.												
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020		
NR	Quantity	-	-	-	-	-	-	-	-	-	-	
	Total Obligation Authority	2.992	4.918	5.816	-	5.816	1.417	0.639	3.682	3.754		
Total:	Quantity	-	-	-	-	-	-	-	-	-	-	
Secondary Distribution	Total Obligation Authority	2.992	4.918	5.816	-	5.816	1.417	0.639	3.682	3.754		

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0522 / Adversary

ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / Structural Enhancement Program - Reserve Forces (OSIP 009-13) (Safety/Reliability)	P-3a		- / 3.959	- / 2.992	- / 1.497	- / 0.375	- / -	- / 0.375
2 / F-5 SLEP (OSIP 006-15) (Safety/Reliability)	P-3a		- / 0.000	- / -	- / 3.421	- / 5.441	- / -	- / 5.441
3 / Inactive OSIPs ()	P-3a		- / 46.100	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 50.059	- / 2.992	- / 4.918	- / 5.816	- / -	- / 5.816
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / Structural Enhancement Program - Reserve Forces (OSIP 009-13) (Safety/Reliability)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 8.823
2 / F-5 SLEP (OSIP 006-15) (Safety/Reliability)	P-3a		- / 1.417	- / 0.639	- / 3.682	- / 3.754	- / 11.893	- / 30.247
3 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 46.100
Total Gross/Weapon System Cost			- / 1.417	- / 0.639	- / 3.682	- / 3.754	- / 11.893	- / 85.170

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

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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0522 / Adversary	Modification Number / Title: 1 / Structural Enhancement Program - Reserve Forces (OSIP 009-13)

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)	3.959	2.992	1.497	0.375	-	0.375	-	-	-	-	-	8.823
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3.959	2.992	1.497	0.375	-	0.375	-	-	-	-	-	8.823
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3.959	2.992	1.497	0.375	-	0.375	-	-	-	-	-	8.823
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The structural enhancement program funds the incorporation of structural component modification required for adversary aircraft to extend service life in support of Fleet training to include TOPGUN, Fleet Replacement Squadron, Carrier Airwing, and Unit Deployment Plan training. These modifications include Non-Recurring Engineering and will address structural issues that will cause grounding of aircraft starting in FY16 if airframes are not retrofitted.

Ten DoN F-16As require FALCON UP Service Life Extension Program to mitigate expected structural cracking. Without FALCON UP, NAVAIR 4.3 expects less than half of the F-16As to remain in service through the FYDP. Action funds FALCON UP for all 10 F-16As.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: All components and systems required for this program are already qualified, and/or approved Navy use. No operational testing is envisioned under this program.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0522 / Adversary						Modification Number / Title: 1 / Structural Enhancement Program - Reserve Forces (OSIP 009-13)			
Models of Systems Affected: F-16 ADVERSARY SERIES				Modification Type: Safety/Reliability						Related RDT&E PEs:			
Financial Plan		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
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement													
Modification Item 1 of 1: Structural Enhancement Program - Reserve Forces (OSIP 009-13)													
A Kits													
Recurring													
1.1.1) Falcon UP Kits - NonOrganic		5 / 1.500	5 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.000
Subtotal: Recurring		- / 1.500	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000
B Kits													
Non-Recurring													
2.2.2) Non Recurring Engineering - Organic		- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000
Subtotal: Non-Recurring		- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000
Subtotal: Structural Enhancement Program - Reserve Forces (OSIP 009-13)		5 / 3.500	5 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 5.000
Subtotal: Procurement, All Modification Items		- / 3.500	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.000
Support (All Modification Items)													
3.1) Data		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Engineering Change Order		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support		- / 0.459	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.459
3.7) Interim Contractor Support		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support		- / 0.459	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.459
Installation													
Modification Item 1 of 1: Structural Enhancement Program - Reserve Forces (OSIP 009-13)		- / 0.000	- / 1.492	- / 1.497	- / 0.375	- / -	- / 0.375	- / -	- / -	- / -	- / -	- / -	- / 3.364
Subtotal: Installation		- / 0.000	- / 1.492	- / 1.497	- / 0.375	- / -	- / 0.375	- / -	- / -	- / -	- / -	- / -	- / 3.364
Total													
Total Cost (Procurement + Support + Installation)		3.959	2.992	1.497	0.375	-	0.375	-	-	-	-	-	8.823

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0522 / Adversary	Modification Number / Title: 1 / Structural Enhancement Program - Reserve Forces (OSIP 009-13)

Modification Item 1 of 1: Structural Enhancement Program - Reserve Forces (OSIP 009-13)

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014						
Delivery Dates	Apr 2015						

Installation Information

Method of Implementation: Depot Maintenance Contractor Facility:: Installation Name: Falcon UP Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	5 / 1.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.492
FY 2014	- / -	- / -	4 / 1.497	1 / 0.375	- / -	1 / 0.375	- / -	- / -	- / -	- / -	- / -	5 / 1.872
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	5 / 1.492	4 / 1.497	1 / 0.375	- / -	1 / 0.375	- / -	- / -	- / -	- / -	- / -	10 / 3.364

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	3	2	-	-	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	-	-	-	-	3	2	-	-	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0522 / Adversary				Modification Number / Title: 2 / F-5 SLEP (OSIP 006-15)				

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>)	0.000	-	3.421	5.441	-	5.441	1.417	0.639	3.682	3.754	11.893	30.247
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	3.421	5.441	-	5.441	1.417	0.639	3.682	3.754	11.893	30.247
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	3.421	5.441	-	5.441	1.417	0.639	3.682	3.754	11.893	30.247
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This item funds F-5 SLEP modifications to adversary aircraft used to train the Navy's pilots for combat. These aircraft are a combination of the 44 F-5 Tiger IIs (41 F-5Ns and 3 F-5Fs), and the J85 Engine supporting the F-5F/N. These 44 aircraft provide 59% of essential adversary sorties in support of TOPGUN, Fleet Replacement Squadron, Carrier Strike Group, Carrier Airwing and Unit Deployment Plan training. This extends structural life of the F-5 to 2025.

The program funds the incorporation of structural component modifications required for adversary aircraft to extend service life in support of Fleet training.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0522 / Adversary				Modification Number / Title: 2 / F-5 SLEP (OSIP 006-15)					
Models of Systems Affected: F-5 ADVERSARY SERIES				Modification Type: Safety/Reliability				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: F-5 SLEP (OSIP 006-15)													
A Kits													
Recurring													
1.1.1) F-5 Wing Mod - Organic	- / -	- / -	2 / 1.060	5 / 2.627	- / -	5 / 2.627	- / -	- / -	- / -	- / -	- / -	7 / 3.687	
1.1.2) F-5 UCL - NonOrganic ⁽¹⁾	- / -	- / -	- / -	10 / 0.850	- / -	10 / 0.850	7 / 0.673	2 / 0.152	2 / 0.153	2 / 0.158	23 / 2.145	46 / 4.131	
1.1.3) F-5 V-Stab - NonOrganic	- / -	- / -	6 / 1.613	1 / 0.223	- / -	1 / 0.223	- / -	- / -	6 / 1.693	6 / 1.694	10 / 2.654	29 / 7.877	
1.1.4) F-5 H-Stab - Organic	- / -	- / -	1 / 0.425	3 / 1.355	- / -	3 / 1.355	- / -	- / -	2 / 0.946	2 / 1.039	- / -	8 / 3.765	
Subtotal: Recurring	- / 0.000	- / -	- / 3.098	- / 5.055	- / -	- / 5.055	- / 0.673	- / 0.152	- / 2.792	- / 2.891	- / 4.799	- / 19.460	
Subtotal: F-5 SLEP (OSIP 006-15)	- / -	- / -	9 / 3.098	19 / 5.055	- / -	19 / 5.055	7 / 0.673	2 / 0.152	10 / 2.792	10 / 2.891	33 / 4.799	90 / 19.460	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 3.098	- / 5.055	- / -	- / 5.055	- / 0.673	- / 0.152	- / 2.792	- / 2.891	- / 4.799	- / 19.460	
Support (All Modification Items)													
3.1) Other Support	- / -	- / -	- / 0.323	- / 0.086	- / -	- / 0.086	- / 0.038	- / 0.091	- / 0.048	- / 0.023	- / -	- / 0.609	
Subtotal: Support	- / 0.000	- / -	- / 0.323	- / 0.086	- / -	- / 0.086	- / 0.038	- / 0.091	- / 0.048	- / 0.023	- / -	- / 0.609	
Installation													
Modification Item 1 of 1: F-5 SLEP (OSIP 006-15)	- / 0.000	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.706	- / 0.396	- / 0.842	- / 0.840	- / 7.094	- / 10.178	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.706	- / 0.396	- / 0.842	- / 0.840	- / 7.094	- / 10.178	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	3.421	5.441	-	5.441	1.417	0.639	3.682	3.754	11.893	30.247	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0522 / Adversary	Modification Number / Title: 2 / F-5 SLEP (OSIP 006-15)

Modification Item 1 of 1: F-5 SLEP (OSIP 006-15)

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Saint Augustine, FL
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 27

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates			Apr 2018	Apr 2019	Apr 2020	Apr 2021	Apr 2022

Manufacturer Name: Northrop Grumman	Manufacturer Location: Saint Augustine, FL
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 15

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jan 2015	Jan 2016				
Delivery Dates		Apr 2016	Apr 2017				

Installation Information

Method of Implementation: Depot Maintenance Contractor Facility:: Installation Name: F-5 UCL

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.396	6 / 0.617	- / -	- / -	10 / 1.013
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.225	5 / 0.556	- / -	7 / 0.781
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.278	2 / 0.278
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.278	2 / 0.278
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.142	1 / 0.142	2 / 0.284
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 2.421	23 / 2.421
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.396	8 / 0.842	6 / 0.698	28 / 3.119	46 / 5.055

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	1	1	2	3	1	-	28	46	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	1	1	2	3	1	28	46	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0522 / Adversary	Modification Number / Title: 2 / F-5 SLEP (OSIP 006-15)

Modification Item 1 of 1: F-5 SLEP (OSIP 006-15)

Installation Information

Method of Implementation: Depot Maintenance Contractor Facility:: Installation Name: F-5 V-Stab

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	2 / 0.300	- / -	2 / 0.300	4 / 0.610	- / -	- / -	- / -	- / -	6 / 0.910
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.096	- / -	- / -	- / -	- / -	1 / 0.096
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.120	6 / 1.120
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.142	5 / 1.120	6 / 1.262
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.735	10 / 1.735
Total	- / -	- / -	- / -	2 / 0.300	- / -	2 / 0.300	5 / 0.706	- / -	- / -	1 / 0.142	21 / 3.975	29 / 5.123

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	1	-	-	-	-	-	-	-	-	-	-	1	-	21	29	
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	1	-	-	-	-	-	-	-	-	-	-	1	21	29	

Method of Implementation (Organic): Organic - F-5 Wing Mod

Installation Quantity: 7

Method of Implementation (Organic): Organic - F-5 H-Stab

Installation Quantity: 8

Footnotes:

⁽¹⁾ There are two F-5 variants (F, N), and one (1) UCL purchase in FY17 is the F-variant which at .393M is over five times the projected cost of the N-variant UCLs.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0522 / Adversary						Modification Number / Title: 3 / Inactive OSIPs		
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>	46.100	-	-	-	-	-	-	-	-	-	-	46.100
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	46.100	-	-	-	-	-	-	-	-	-	-	46.100
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	46.100	-	-	-	-	-	-	-	-	-	-	46.100
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0522 / Adversary				Modification Number / Title: 3 / Inactive OSIPs					
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Inactive OSIPs													
B Kits													
Non-Recurring													
2.2.1) Inactive OSIPs - Organic	- / 46.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.100	
Subtotal: Non-Recurring	- / 46.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.100	
Subtotal: Inactive OSIPs	- / 46.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.100	
Subtotal: Procurement, All Modification Items	- / 46.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.100	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	46.100	-	-	-	-	-	-	-	-	-	-	46.100	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0522 / Adversary			Modification Number / Title: 3 / Inactive OSIPs		
Modification Item 1 of 1: Inactive OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0525 / F-18 Series					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 000			Item MDAP/MAIS Code(s):									
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>)	5,975.386	755.974	705.830	978.756	8.000	986.756	1,066.037	1,189.911	1,369.316	1,451.845	6,354.654	19,855.709
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5,975.386	755.974	705.830	978.756	8.000	986.756	1,066.037	1,189.911	1,369.316	1,451.845	6,354.654	19,855.709
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5,975.386	755.974	705.830	978.756	8.000	986.756	1,066.037	1,189.911	1,369.316	1,451.845	6,354.654	19,855.709
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to all models of the F/A-18 aircraft. The F/A-18 Naval Strike Fighter is a twin-engine, mid-wing, multi-mission tactical aircraft. The F/A-18 is employed in both Navy and Marine Corps squadrons. Commencing with the FY 1988 procurement, both the single seat and two-seat F/A-18s include a night attack capability. The F/A-18 can be missionized through selected use of external equipment to accomplish specific fighter or attack missions. This commonality provides the Operational Commander more flexibility in employing his tactical aircraft in a dynamic scenario. The primary design mission for the F/A-18 is a strike fighter which includes the traditional fighter applications, such as fighter escort and fleet air defense, combined with the attack applications, such as interdiction and close air support. Since fighter capabilities are available in either mission, a robust self-defense capability is retained. Current aircraft inventory (as of 24 July 14): F/A-18A - 95: Avg age 28.1 yrs (7445 hrs) - current service life 8,000 hrs F/A-18B - 21: Avg age 29.6 yrs (6531 hrs) - current service life 8,000 hrs F/A-18C - 371: Avg age 22.4 yrs (7113 hrs) - current service life 8,000 hrs F/A-18D - 131: Avg age 21.8 yrs (6896 hrs) - current service life 8,000 hrs F/A-18E - 252: Avg age 7.2 yrs (2170 hrs) - current service life 6,000 hrs F/A-18F - 258: Avg age 8.5 yrs (2795 hrs) - current service life 6,000 hrs EA-18G - 104: Avg age 3.1 yrs (864 hrs) - current service life 7,500 hrs												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0525 / F-18 Series		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:	
Line Item MDAP/MAIS Code: 000		Item MDAP/MAIS Code(s):					

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)
1 / Correction of Discrepancies (OSIP 11-84) (SAFETY /RELIABILITY/ IMPROVEMENT)	P-3a		- / 1,025.930	- / 75.912	- / 76.862	- / 98.404	- / -	- / 98.404
2 / Digital Communications System (DCS) (OSIP 10-99) (CAPABILITY IMPROVEMENT)	P-3a		- / 61.318	- / 24.617	- / 10.978	- / 12.907	- / -	- / 12.907
3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+ (SAFETY / LIFE EXTENSION)	P-3a		- / 1,003.373	- / 81.003	- / 104.993	- / 148.287	- / -	- / 148.287
4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99) (CAPABILITY IMPROVEMENT)	P-3a		- / 393.403	- / 38.961	- / 21.269	- / 62.660	- / -	- / 62.660
5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00) (AVIONICS UPGRADE)	P-3a		- / 342.108	- / 8.017	- / 16.487	- / 9.239	- / -	- / 9.239
6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00) (CAPABILITY IMPROVEMENT)	P-3a		- / 284.168	- / 11.670	- / 0.168	- / 8.031	- / -	- / 8.031
7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01) (CAPABILITY IMPROVEMENTS)	P-3a		- / 828.194	- / 51.521	- / 6.180	- / 8.854	- / 8.000	- / 16.854
8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02) (TRAINERS UPGRADE)	P-3a		- / 144.389	- / 19.901	- / 23.078	- / 31.039	- / -	- / 31.039
9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03) (SAFETY /RELIABILITY/IMPROVEMENT)	P-3a		- / 407.148	- / 108.616	- / 101.782	- / 171.468	- / -	- / 171.468
10 / Core Avionics Improvements / Upgrades (OSIP 023-04) (Capability and Reliability Improvements)	P-3a		- / 159.512	- / 30.197	- / 50.129	- / 92.490	- / -	- / 92.490
11 / Litening AT Targeting Pod (OSIP 024-04) (CAPABILITY IMPROVEMENTS)	P-3a		- / 160.349	- / 2.108	- / 1.167	- / 1.221	- / -	- / 1.221
12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07) (AVIONICS UPGRADE)	P-3a		- / 631.082	- / 186.941	- / 79.223	- / 102.497	- / -	- / 102.497
13 / EW Unique (OSIP 021-08) (Capability Improvements)	P-3a		- / 130.868	- / 13.347	- / 36.732	- / 1.200	- / -	- / 1.200
14 / Network Centric Operations: (OSIP 001-10) (Avionics Upgrade)	P-3a		- / 118.159	- / 41.052	- / 32.522	- / 28.607	- / -	- / 28.607
15 / EA-18G Unique OSIP (011-10) (SAFETY /RELIABILITY/IMPROVEMENT)	P-3a		- / 17.848	- / 22.816	- / 22.843	- / 10.871	- / -	- / 10.871
16 / Power and Propulsion (11-13) (Safety, Readiness, Reliability)	P-3a		- / 2.128	- / 2.985	- / 1.290	- / 34.009	- / -	- / 34.009
17 / Infrared Search and Track (IRST) (04-14) (CAPABILITY IMPROVEMENTS)	P-3a		- / 0.000	- / -	- / 75.493	- / 107.901	- / -	- / 107.901
18 / Automated Information Systems (AIS) (OSIP 018-14) (Safety)	P-3a		- / 0.000	- / 26.409	- / 33.583	- / 23.691	- / -	- / 23.691
19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14) (SAFETY / LIFE EXTENSION)	P-3a		- / 0.000	- / 9.901	- / 11.051	- / 11.057	- / -	- / 11.057
20 / Priority Stores Integration (OSIP 10-16) (CAPABILITY IMPROVEMENT)	P-3a		- / 0.000	- / -	- / -	- / 14.323	- / -	- / 14.323
21 / Inactive OSIPs ()	P-3a		- / 265.409	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 5,975.386	- / 755.974	- / 705.830	- / 978.756	- / 8.000	- / 986.756

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / Correction of Discrepancies (OSIP 11-84) (SAFETY /RELIABILITY/ IMPROVEMENT)	P-3a		- / 82.771	- / 80.642	- / 75.956	- / 73.761	- / 301.871	- / 1,892.109

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0525 / F-18 Series		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:	
Line Item MDAP/MAIS Code: 000		Item MDAP/MAIS Code(s):					
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete
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)
2 / Digital Communications System (DCS) (OSIP 10-99) (CAPABILITY IMPROVEMENT)	P-3a		- / 18.538	- / 22.510	- / 33.233	- / 10.853	- / 7.881
3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+ (SAFETY / LIFE EXTENSION)	P-3a		- / 147.791	- / 140.080	- / 152.653	- / 148.235	- / 1,200.592
4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99) (CAPABILITY IMPROVEMENT)	P-3a		- / 67.856	- / 85.070	- / 60.269	- / 60.900	- / 276.031
5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00) (AVIONICS UPGRADE)	P-3a		- / 9.830	- / 6.019	- / 3.400	- / -	- / -
6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00) (CAPABILITY IMPROVEMENT)	P-3a		- / 4.380	- / -	- / -	- / -	- / -
7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01) (CAPABILITY IMPROVEMENTS)	P-3a		- / 0.399	- / 2.577	- / 0.647	- / -	- / 3.700
8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02) (TRAINERS UPGRADE)	P-3a		- / 28.404	- / 22.843	- / 35.311	- / 39.770	- / 253.691
9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03) (SAFETY /RELIABILITY/IMPROVEMENT)	P-3a		- / 155.195	- / 142.785	- / 153.317	- / 221.824	- / 321.553
10 / Core Avionics Improvements / Upgrades (OSIP 023-04) (Capability and Reliability Improvements)	P-3a		- / 69.920	- / 88.170	- / 93.713	- / 249.963	- / 1,262.168
11 / Litening AT Targeting Pod (OSIP 024-04) (CAPABILITY IMPROVEMENTS)	P-3a		- / -	- / -	- / -	- / -	- / 1.087
12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07) (AVIONICS UPGRADE)	P-3a		- / 237.155	- / 243.756	- / 229.280	- / 161.537	- / 159.957
13 / EW Unique (OSIP 021-08) (Capability Improvements)	P-3a		- / 0.484	- / -	- / -	- / -	- / -
14 / Network Centric Operations: (OSIP 001-10) (Avionics Upgrade)	P-3a		- / 26.375	- / 43.209	- / 25.000	- / 26.136	- / 123.026
15 / EA-18G Unique OSIP (011-10) (SAFETY /RELIABILITY/IMPROVEMENT)	P-3a		- / 13.805	- / 39.017	- / 146.341	- / 87.708	- / 208.613
16 / Power and Propulsion (11-13) (Safety, Readiness, Reliability)	P-3a		- / 36.066	- / 50.474	- / 69.367	- / 67.367	- / 79.318
17 / Infrared Search and Track (IRST) (04-14) (CAPABILITY IMPROVEMENTS)	P-3a		- / 116.669	- / 107.078	- / 129.829	- / 150.126	- / 836.783
18 / Automated Information Systems (AIS) (OSIP 018-14) (Safety)	P-3a		- / 25.238	- / 47.107	- / 55.578	- / 53.974	- / 133.408
19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14) (SAFETY / LIFE EXTENSION)	P-3a		- / 11.344	- / 56.750	- / 89.240	- / 83.977	- / 1,133.442
20 / Priority Stores Integration (OSIP 10-16) (CAPABILITY IMPROVEMENT)	P-3a		- / 13.817	- / 11.824	- / 16.181	- / 15.714	- / 51.533
21 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 1,066.037	- / 1,189.911	- / 1,369.316	- / 1,451.845	- / 6,354.654

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

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

Justification:
The overall goal of the modifications budgeted in FY 2016 is to implement commonality/capability and structural safety and reliability improvements.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 1 / Correction of Discrepancies (OSIP 11-84)

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>	1,025.930	75.912	76.862	98.404	-	98.404	82.771	80.642	75.956	73.761	301.871	1,892.109
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,025.930	75.912	76.862	98.404	-	98.404	82.771	80.642	75.956	73.761	301.871	1,892.109
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,025.930	75.912	76.862	98.404	-	98.404	82.771	80.642	75.956	73.761	301.871	1,892.109
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Corrections to discrepancies found during testing and evaluation can sometimes be incorporated into production aircraft, effective with the physical configuration audit which establishes the product baseline of the aircraft. However, when this cannot be done due to time constraints, retrofit of the changes into already delivered aircraft requires funding through the aircraft modification program. Additionally, aircraft discrepancies can be discovered during sustainment activities, engineering analysis, standard depot level evaluations, and/or during normal fleet operations. Not addressing these structural and system discrepancies will create maintenance and supply problems, and adversely impact safety of flight and operational readiness. This Operational, Safety and Improvement Program (OSIP) provides resources to correct such issues via Engineering Change Proposal (ECP) and other applicable procurement efforts by modifying, improving, and restoring aircraft structural safety and reliability to designed/required life limits. Modifications for the F/A-18 A/B/C/D aircraft include: flight controls, forward fuselage, aft fuselage, wing, critical structures, electrical, hydraulic, Environmental Control Systems (ECS), launch and recovery, fuel, mechanical, secondary power, Blue Angel modifications, and other sustainment activities. Corrections to the following items/conditions are required:

Current Active Modifications:

ECP 590 On Board Oxygen Generating System (OBOGS) Solid State Oxygen Monitor (SSOM), safety ECP
ECP 609 F/A-18 A-D Inner Wing Conversion and Reliability Improvements
ECP 1034-NI Trailing Edge Flap/Aileron Attach Log Bushing
ECP 1102NI F/A-18 A-D Y508 Former Shear Tie Fastener Holes Retrofit - Modification to the fasteners near the Y508 Former Aft Shear Tie
ECP 1121 F/A-18 A-D Main Landing Gear (MLG) Critical Components Retrofit
ECP 1122 F/A-18 A-D NLG Critical Components Retrofit
ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit
ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replacement Modline
ECP 1120NI F/A-18 A-D Upper Out Board Longeron Y453/Y508 Forward Section Splice Retrofit
ECP 1137NI Redesign of Fire Extinguisher Temp. Compensating Pressure Switch (TCPS)
ECP 1140NI Aileron Servocylinder Main Ram Linear Variable Displacement Transformer upgrade
ECP 1142NI Y326.5 Leading Edge Extension (LEX) Support Fitting and Substructure Retrofit
ECP 1142C1NI Y394.2 LEX Connecting Link Retrofit
ECP 1148NI Speed Brake Arresting Hook Actuator Fitting Retrofit
ECP XXX26 F/A-18 A-D Structural Stress Corrosion Cracking Issues
ECP XXX27 F/A-18 A-D Subsystems Retrofit Upgrades Issues
ECP XXX28 F/A-18 A-D ECS Subsystems Upgrade Issues
ECP XXX29 F/A-18 A-D Fuel Related Upgrade Issues

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 1 / Correction of Discrepancies (OSIP 11-84)
ECP XXX30 F/A-18 A-D Flight Control Surfaces Issues ECP XXX32 F/A-18 A-D Y470 Inner Wing Panel Lug - Modification to the Y470 Inner Wing Panel Lug ECP-1159 Y557.5 Bulkhead Tub Retrofit ECP 1139 - Mod of Aircraft Ground Servicing Engine Inlet Screen ECP JAX-F-18-001 Navy Flight Demonstration Squadron (NFDS) mods, C&D Conversion Future Modifications: ECP 087S1 External Stores Electromagnetic Interference (EMI) Protection - Provide for the application of external stores EMI Protection. This ECP includes installation costs only. ECP 592 Fuselage Skin Crack - Safety improvement to the fatigue life of the forward skin section of the chem.-milled panels. ECP 608 Crease Longerons - Restores the load path lost when the crease longerons cracks at FS 453. ECP MB9425 Modified Navy Aircrew Common Ejection Seat (NACES) Backplate - Modification to the NACES backplate to prevent cracks ECP XXX5 Wing Spar Crack - Strengthens the existing front inner wing spar to improve fatigue life. ECP NI 931 Forward Lower Keel Modification - Improves fatigue life of the Nose Landing Gear (NLG) drag brace. ECP 609 (Bundled in) Interwing Conversion ECP XXX-21 (Bundled in ECP-609) - Converting Lot 10/11 wings to Lot 12 and above configuration. ECP 1086 NI F/A-18 A-D Modification of A/C (ECS) Test Set - Publication related updates ECP 1088 F/A-18 A-D Fuel Valve Interchangeability - Modification to upgrade fuel valves for configuration purposes ECP 1095 F/A-18 A-D MLG Side Brace Downlock Actuator Connection Link - Modification to upgrade the MLG actuator link ECP MB9445 Replacement of NACES Radio Beacon Actuator - Modification to incorporate a new and improved radio beacon signal in order to comply with new satellite requirements ECP 6376 F/A-18 A-D NACES Ejection Seat Improvements (ECP MB9431) - Publication related updates ECP 1149NI Fuel Dumping Pressure Relief Valve ECP XXX13 Bay 3 Shelf Redesign - Modify avionics shelves to withstand catapult fatigue loads. ECP XXX14 Bay 4 Shelf Redesign - Modify avionics shelves to withstand catapult fatigue loads. ECP XXX-16 Vertical Tail - Modify vertical tail former and spars to prevent fatigue cracking. ECP XXX-17 Canopy/Windscreen - Modify canopy/windscreen frames and address delamination. ECP XXX18 NLG/Main Landing Gear (MLG) Fatigue Improvements - Fatigue Improvements to include arresting gear planning link redesign ECP XXX23 Aft Fuselage Structure Failures - Modification to correct failed aft fuselage areas ECP XXX24 NACES Improved Upper Catapult Sleeve, Safety ECP - Modification to incorporate a redesigned NACES upper catapult sleeve ECP XXX25 F/A-18 B/D Canopy Sill Longerons Crack - Modification to beef up the canopy sill longerons to prevent severing condition ECP XXX31 F/A-18 A-D Kapton Wiring Modification Improvement - Modification to upgrade aircraft electrical wiring ECP XXX33 F/A-18 A-D NACES Retrofit Upgrades - AFC-XXX ECP 6431 F/A-18 A-D In-Flight Refueling Probe Timer Bellcrank Fitting ECP-1095 MLG Side Brace Downlock Actuator Connecting Link Upgrade ECP 1155-13 Fuel Tank Cavity Foam Material Change DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Each change has been or will be tested prior to installation in the F/A-18.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 1 / Correction of Discrepancies (OSIP 11-84)				
Models of Systems Affected: F/A-18 A/B/C/D				Modification Type: SAFETY /RELIABILITY/ IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Correction of Discrepancies (OSIP 11-84)													
A Kits													
Recurring													
1.1.1) ECP 590 OBOGS SSOM, Safety ECP - Organic	59 / 0.539	- / -	276 / 2.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	335 / 2.879	
1.1.2) ECP 609 F/A-18 A-D Inner Wing Conversion and Reliability Improvements - Organic	15 / 2.906	12 / 1.315	- / -	12 / 1.367	- / -	12 / 1.367	- / -	- / -	- / -	- / -	- / -	39 / 5.588	
1.1.3) ECP 1034 NI Trailing Edge Flap/Aileron Attach Log Bushing - Organic	603 / 1.523	71 / 0.768	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	674 / 2.291	
1.1.4) ECP 1102 Y508 Former Shear Tie Fastener Holes Retrofit - Organic	100 / 0.495	125 / 0.205	125 / 0.378	95 / 0.195	- / -	95 / 0.195	- / -	- / -	- / -	- / -	- / -	445 / 1.273	
1.1.5) ECP 1121 F/A-18 A-D MLG Critical Components - Part 1 kit - Organic	4 / 2.251	- / -	- / -	5 / 0.886	- / -	5 / 0.886	- / -	8 / 1.469	15 / 2.804	15 / 2.854	74 / 14.336	121 / 24.600	
1.1.6) ECP 1121 F/A-18 A-D MLG Critical Components - Basic kit - Organic	- / -	125 / 5.459	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	125 / 5.459	
1.1.7) ECP 1122 F/A-18 A-D NLG Critical Components - Part 1 kit - Organic	8 / 1.816	- / -	- / -	5 / 1.198	- / -	5 / 1.198	- / -	5 / 1.241	10 / 2.527	36 / 9.261	36 / 9.428	100 / 25.471	
1.1.8) ECP 1122 F/A-18 A-D NLG Critical Components - Basic kit - Organic	- / -	120 / 9.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 9.130	
1.1.9) ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit - Organic	79 / 4.414	50 / 2.295	20 / 0.935	50 / 2.378	- / -	50 / 2.378	25 / 1.211	25 / 1.232	25 / 1.255	50 / 2.554	201 / 10.453	525 / 26.727	
1.1.10) ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replacement Modline - Organic	80 / 4.750	60 / 4.814	25 / 1.507	60 / 3.682	- / -	60 / 3.682	30 / 1.874	60 / 3.816	60 / 3.884	60 / 3.954	131 / 8.633	566 / 36.914	
1.1.11) ECP 1120NI F/A-18 A-D Upper O/B Longeron Y453/Y508 Fw Section Splice - Organic	70 / 2.075	50 / 1.065	50 / 1.085	50 / 0.480	- / -	50 / 0.480	- / -	- / -	- / -	- / -	- / -	220 / 4.705	
1.1.12) ECP 1137NI Fire Extinguisher Temp Compensating Pressure Switch - Organic	4 / 0.013	165 / 0.545	165 / 0.554	165 / 0.564	- / -	165 / 0.564	119 / 0.418	- / -	- / -	- / -	- / -	618 / 2.094	
1.1.13) ECP 1140NI Aileron Servocylnr Main Ram Linear Var Displcmnt Trnsfmr - Organic	- / -	- / -	- / -	120 / 1.080	- / -	120 / 1.080	- / -	120 / 1.119	120 / 1.139	120 / 1.160	138 / 1.367	618 / 5.865	
1.1.14) ECP-1142NI Y326.5 Lead Edge Ext (LEX) Spt Fitting & Substructure - Organic	242 / 0.393	- / -	120 / 0.331	120 / 0.337	- / -	120 / 0.337	44 / 0.126	- / -	- / -	- / -	- / -	526 / 1.187	
1.1.15) ECP-1142C1NI Y394.2 LEX Connecting Link Retrofit - Organic	120 / 0.022	- / -	120 / 0.060	120 / 0.061	- / -	120 / 0.061	120 / 0.062	7 / 0.004	- / -	- / -	- / -	487 / 0.209	
1.1.16) ECP 1148NI Speed Brake Arresting Hook Actuator Fitting Retrofit - Organic	188 / 1.383	120 / 1.030	120 / 1.208	4 / 0.041	- / -	4 / 0.041	- / -	- / -	- / -	- / -	- / -	432 / 3.662	
1.1.17) ECP XXX26 Structural Stress Corrosion Crack Issues - Organic	- / -	- / -	- / -	60 / 2.156	- / -	60 / 2.156	50 / 1.829	50 / 1.862	50 / 1.895	50 / 1.930	215 / 8.297	475 / 17.969	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 1 / Correction of Discrepancies (OSIP 11-84)				
Models of Systems Affected: F/A-18 A/B/C/D			Modification Type: SAFETY /RELIABILITY/ IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
1.1.18) ECP XXX27 F/A-18 A-D Subsystems Retrofit Upgrades Issues - Organic	- / -	- / -	- / -	60 / 1.725	- / -	60 / 1.725	50 / 1.463	50 / 1.490	50 / 1.517	50 / 1.544	215 / 6.638	475 / 14.377
1.1.19) ECP XXX28 F/A-18 A-D ECS Subsystems Upgrade Issues - Organic	- / -	- / -	- / -	60 / 1.586	- / -	60 / 1.586	50 / 1.614	50 / 1.643	50 / 1.673	50 / 1.703	215 / 7.455	475 / 15.674
1.1.20) ECP XXX29 F/A-18 A-D Fuel Related Upgrade Issues - Organic	- / -	- / -	- / -	60 / 0.634	- / -	60 / 0.634	- / -	50 / 0.657	50 / 0.669	50 / 0.681	265 / 3.792	475 / 6.433
1.1.21) ECP-XXX30 F/A-18 A-D Flight Control Surfaces Issues - Organic	- / -	- / -	- / -	60 / 0.647	- / -	60 / 0.647	50 / 0.549	50 / 0.559	50 / 0.569	50 / 0.579	215 / 2.490	475 / 5.393
1.1.22) ECP-XXX32 - F/A-18 A-D NACES Retrofit Upgrades - Organic ⁽¹⁾	- / -	- / -	- / -	200 / 2.781	- / -	200 / 2.781	- / -	100 / 1.358	- / -	- / -	100 / 1.287	400 / 5.426
1.1.23) ECP-1159 - Y557.5 Bulkhead Tub Retrofit - Organic	- / -	- / -	- / -	60 / 0.948	- / -	60 / 0.948	60 / 0.965	60 / 0.983	60 / 1.000	60 / 1.018	316 / 5.459	616 / 10.373
1.1.24) ECP-1139 - Mod of Aircraft Ground Servicing Engine Inlet Screen - Organic	- / -	- / -	- / -	320 / 0.122	- / -	320 / 0.122	- / -	- / -	- / -	- / -	- / -	320 / 0.122
1.1.25) ECP JAX F-18-001 NFDS mods, C&D Conversion (Blue Angels) - Organic	12 / 5.258	4 / 0.710	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 5.968
1.1.26) Archived ECPs - Organic	42,325 / 239.468	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42,325 / 239.468
Subtotal: Recurring	- / 267.306	- / 27.336	- / 8.398	- / 22.868	- / -	- / 22.868	- / 10.111	- / 17.433	- / 18.932	- / 27.238	- / 79.635	- / 479.257
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 63.150	- / 2.300	- / 0.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 65.786
Subtotal: Non-Recurring	- / 63.150	- / 2.300	- / 0.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 65.786
B Kits												
Recurring												
2.1.1) Installation Equipment - Organic	- / 2.267	- / 0.624	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.891
Subtotal: Recurring	- / 2.267	- / 0.624	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.891
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.120
Subtotal: Non-Recurring	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.120
Subtotal: Correction of Discrepancies (OSIP 11-84)	43,909 / 332.843	902 / 30.260	1,021 / 8.734	1,686 / 22.868	- / -	1,686 / 22.868	598 / 10.111	635 / 17.433	540 / 18.932	591 / 27.238	2,121 / 79.635	52,003 / 548.054
Subtotal: Procurement, All Modification Items	- / 332.843	- / 30.260	- / 8.734	- / 22.868	- / -	- / 22.868	- / 10.111	- / 17.433	- / 18.932	- / 27.238	- / 79.635	- / 548.054
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 16.200	- / 0.401	- / 0.028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.629

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 1 / Correction of Discrepancies (OSIP 11-84)			
Models of Systems Affected: F/A-18 A/B/C/D				Modification Type: SAFETY /RELIABILITY/ IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 7.395	- / 1.651	- / 1.793	- / 1.295	- / -	- / 1.295	- / 1.318	- / 1.342	- / 1.366	- / -	- / 1.500	- / 17.660	
3.5) ILS	- / 356.207	- / 7.104	- / 7.232	- / 7.362	- / -	- / 7.362	- / 7.495	- / 7.630	- / 7.767	- / 7.907	- / 7.907	- / 416.611	
3.6) Other Support ⁽²⁾	- / 49.901	- / 22.113	- / 22.511	- / 24.872	- / -	- / 24.872	- / 23.329	- / 23.749	- / 24.176	- / 24.612	- / 25.054	- / 240.317	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.8) Installation Cost ⁽³⁾	30,251 / 263.384	500 / 14.383	1,204 / 36.564	1,355 / 42.007	- / -	1,355 / 42.007	1,508 / 40.518	1,156 / 30.488	678 / 23.715	365 / 14.004	1,798 / 187.775	38,815 / 652.838	
<i>Subtotal: Support</i>	- / 693.087	- / 45.652	- / 68.128	- / 75.536	- / -	- / 75.536	- / 72.660	- / 63.209	- / 57.024	- / 46.523	- / 222.236	- / 1,344.055	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	1,025.930	75.912	76.862	98.404	-	98.404	82.771	80.642	75.956	73.761	301.871	1,892.109	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 1 / Correction of Discrepancies (OSIP 11-84)	
Modification Item 1 of 1: Correction of Discrepancies (OSIP 11-84)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - ECP 590 OBOGS SSOM, Safety ECP					Installation Quantity: 335		
Method of Implementation (Organic): Not Installed - ECP 609 F/A-18 A-D Inner Wing Conversion and Reliability Improvements					Installation Quantity: 39		
Method of Implementation (Organic): Not Installed - ECP 1034 NI Trailing Edge Flap/Aileron Attach Log Bushing					Installation Quantity: 674		
Method of Implementation (Organic): Not Installed - ECP 1102 Y508 Former Shear Tie Fastener Holes Retrofit					Installation Quantity: 445		
Method of Implementation (Organic): Organic - ECP 1121 F/A-18 A-D MLG Critical Components - Part 1 kit					Installation Quantity: 121		
Method of Implementation (Organic): Not Installed - ECP 1121 F/A-18 A-D MLG Critical Components - Basic kit					Installation Quantity: 125		
Method of Implementation (Organic): Organic - ECP 1122 F/A-18 A-D NLG Critical Components - Part 1 kit					Installation Quantity: 100		
Method of Implementation (Organic): Not Installed - ECP 1122 F/A-18 A-D NLG Critical Components - Basic kit					Installation Quantity: 120		
Method of Implementation (Organic): Not Installed - ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit					Installation Quantity: 525		
Method of Implementation (Organic): Not Installed - ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replacement Modline					Installation Quantity: 566		
Method of Implementation (Organic): Not Installed - ECP 1120NI F/A-18 A-D Upper O/B Longerons Y453/Y508 Fw Section Splice					Installation Quantity: 220		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 1 / Correction of Discrepancies (OSIP 11-84)
Modification Item 1 of 1: Correction of Discrepancies (OSIP 11-84)		
Installation Information		
Method of Implementation (Organic): Not Installed - ECP 1137NI Fire Extinguisher Temp Compensating Pressure Switch		Installation Quantity: 618
Method of Implementation (Organic): Not Installed - ECP 1140NI Aileron Servocylnr Main Ram Linear Var Displcmnt Trnsfrmr		Installation Quantity: 618
Method of Implementation (Organic): Not Installed - ECP-1142NI Y326.5 Lead Edge Ext (LEX) Spt Fitting & Substructure		Installation Quantity: 526
Method of Implementation (Organic): Not Installed - ECP-1142C1NI Y394.2 LEX Connecting Link Retrofit		Installation Quantity: 487
Method of Implementation (Organic): Not Installed - ECP 1148NI Speed Brake Arresting Hook Actuator Fitting Retrofit		Installation Quantity: 432
Method of Implementation (Organic): Not Installed - ECP XXX26 Structural Stress Corrosion Crack Issues		Installation Quantity: 475
Method of Implementation (Organic): Not Installed - ECP XXX27 F/A-18 A-D Subsystems Retrofit Upgrades Issues		Installation Quantity: 475
Method of Implementation (Organic): Organic - ECP XXX28 F/A-18 A-D ECS Subsystems Upgrade Issues		Installation Quantity: 475
Method of Implementation (Organic): Not Installed - ECP XXX29 F/A-18 A-D Fuel Related Upgrade Issues		Installation Quantity: 475
Method of Implementation (Organic): Not Installed - ECP-XXX30 F/A-18 A-D Flight Control Surfaces Issues		Installation Quantity: 475
Method of Implementation (Organic): Not Installed - ECP-XXX32 - F/A-18 A-D NACES Retrofit Upgrades		Installation Quantity: 400
Method of Implementation (Organic): Not Installed - ECP-1159 - Y557.5 Bulkhead Tub Retrofit		Installation Quantity: 616
Method of Implementation (Organic): Not Installed - ECP-1139 - Mod of Aircraft Ground Servicing Engine Inlet Screen		Installation Quantity: 320
Method of Implementation (Organic): Not Installed - ECP JAX F-18-001 NFDS mods, C&D Conversion (Blue Angels)		Installation Quantity: 16
Method of Implementation (Organic): Not Installed - Archived ECPs		Installation Quantity: 42325

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 1 / Correction of Discrepancies (OSIP 11-84)

Footnotes:

(1) Variants include single and dual seats, therefore some aircraft require 2 kits.

(2) Other Support increases in FY16 due to significantly increased number of ECPs being managed (procured and installed).

(3) Installation costs vary by FY due to different ECPs being installed.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 2 / Digital Communications System (DCS) (OSIP 10-99)

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>)	61.318	24.617	10.978	12.907	-	12.907	18.538	22.510	33.233	10.853	7.881	202.835
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	61.318	24.617	10.978	12.907	-	12.907	18.538	22.510	33.233	10.853	7.881	202.835
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	61.318	24.617	10.978	12.907	-	12.907	18.538	22.510	33.233	10.853	7.881	202.835
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Digital Communications System (DCS) consists of an upgraded AN/ARC-210 Receiver Transmitter (RT) (with embedded digital message transfer capability and embedded communications security) installed in the F/A-18 and integrated with the F/A-18 weapons system (mission computer, controls and displays, and communication subsystem). The DCS utilizes preformatted messages to communicate with standard United States Marine Corps, United States Navy, and United States Air Force digital communications devices to facilitate close air support, deep air strike, and tactical air control missions. Joint Staff has specified new standards for close air support platforms to address interoperability issues between air units and ground units who participate in Digitally-Aided Close Air Support missions. The requirement to meet these new interoperability standards are being satisfied with the upgrade of the DCS radio to the latest ARC-210 version, the RT-1990/RT-1990A radio. DCS reduces voice communications requirements which tend to be slow, inaccurate, and susceptible to meaoning, interference, jamming, and intrusion. DCS will enhance mission effectiveness by decreasing pilot workload which allows the pilot more time to counter increased threat capabilities (Operational Requirements Document# 486-88-98). The RT-1990/RT-1990A radio also supports the North Atlantic Treaty Organization (NATO) standard anti-jam waveform, Second generation Anti-Jam Tactical UHF Radio for NATO (SATURN), and will greatly improve communication in a jamming environment as compared to current anti-jam waveforms. Finally, the next version of the ARC-210 radio, the RT-1990A will support the latest National Security Agency crypto-modernization initiative, allowing better encryption of voice and data traffic. This Operational Safety Improvement Program (OSIP) will also be used to address parts obsolescence issues and to perform non-recurring work associated with network centric operations and interoperability requirements.

Current Active Modifications:

Gen 5 Radio (RT-1990/A); 27C System Configuration Set (SCS); 29C SCS; H10 SCS; H12 SCS

Future Modifications:

KY-58M Vinson/ANDVT Cryptographic Modernization (VACM)

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The AN/ARC-210 RT is being upgraded to a DCS RT-1990/RT-1990A. The F/A-18E/F and EA-18G DCS Close Air Support (CAS) interoperability requirements will be satisfied by retrofitting the RT-1990/RT-1990A into Lot XXII through XXXV F/A-18E/F and Lot XXX through XXXV EA-18G aircraft under the H10 SCS. The F/A-18C/D DCS CAS interoperability requirements will be satisfied by retrofitting the RT-1990/RT-1990A into Lot VII through Lot XXI under the 27C SCS (formally known as 27X SCS).

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 2 / Digital Communications System (DCS) (OSIP 10-99)					
Models of Systems Affected: F/A-18 and EA-18G				Modification Type: CAPABILITY IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Digital Communications System (DCS) (OSIP 10-99)													
A Kits													
Recurring													
1.1.1) A-Kits Archive - Organic	483 / 1.795	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	483 / 1.795	
Subtotal: Recurring	- / 1.795	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.795	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 0.603	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.603	
Subtotal: Non-Recurring	- / 0.603	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.603	
B Kits													
Recurring													
2.1.1) Gen 5 Radio (RT-1990/A) - Organic ⁽⁴⁾	104 / 9.479	137 / 11.991	20 / 1.840	28 / 2.622	- / -	28 / 2.622	159 / 15.159	218 / 21.158	322 / 31.815	90 / 9.054	64 / 6.555	1,142 / 109.673	
2.1.2) 27C SCS - Organic	- / 2.894	- / 4.617	- / 3.587	- / 3.737	- / -	- / 3.737	- / -	- / -	- / -	- / -	- / -	- / 14.835	
2.1.3) 29C SCS - Organic	- / -	- / -	- / -	- / 0.900	- / -	- / 0.900	- / 0.300	- / -	- / -	- / -	- / -	- / 1.200	
2.1.4) H10 SCS - Organic	- / 13.382	- / 3.279	- / 0.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.866	
2.1.5) H12 SCS - Organic	- / -	- / 1.829	- / 1.755	- / 1.500	- / -	- / 1.500	- / 1.500	- / -	- / -	- / -	- / -	- / 6.584	
2.1.6) B-Kits Archive - Organic	176 / 11.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	176 / 11.250	
2.1.7) Prior Year Installation Costs - Organic	528 / 6.779	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	528 / 6.779	
Subtotal: Recurring	- / 43.784	- / 21.716	- / 7.387	- / 8.759	- / -	- / 8.759	- / 16.959	- / 21.158	- / 31.815	- / 9.054	- / 6.555	- / 167.187	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic	- / 7.284	- / 1.730	- / 2.399	- / 2.677	- / -	- / 2.677	- / 0.043	- / -	- / -	- / -	- / -	- / 14.133	
Subtotal: Non-Recurring	- / 7.284	- / 1.730	- / 2.399	- / 2.677	- / -	- / 2.677	- / 0.043	- / -	- / -	- / -	- / -	- / 14.133	
Subtotal: Digital Communications System (DCS) (OSIP 10-99)	1,291 / 53.466	137 / 23.446	20 / 9.786	28 / 11.436	- / -	28 / 11.436	159 / 17.002	218 / 21.158	322 / 31.815	90 / 9.054	64 / 6.555	2,329 / 183.718	
Subtotal: Procurement, All Modification Items	- / 53.466	- / 23.446	- / 9.786	- / 11.436	- / -	- / 11.436	- / 17.002	- / 21.158	- / 31.815	- / 9.054	- / 6.555	- / 183.718	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.483	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.483	
3.2) Data	- / 0.028	- / -	- / -	- / 0.257	- / -	- / 0.257	- / -	- / 0.094	- / 0.137	- / -	- / -	- / 0.516	
3.3) Training Equipment	- / 1.165	- / -	- / -	- / -	- / -	- / -	- / 0.300	- / -	- / -	- / -	- / -	- / 1.465	
3.4) Support Equipment	- / 1.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.496	- / -	- / 1.509	
3.5) ILS	- / 3.835	- / 0.596	- / 0.607	- / 0.618	- / -	- / 0.618	- / 0.629	- / 0.640	- / 0.652	- / 0.663	- / 0.675	- / 8.915	
3.6) Other Support	- / 1.328	- / 0.575	- / 0.585	- / 0.596	- / -	- / 0.596	- / 0.607	- / 0.618	- / 0.629	- / 0.640	- / 0.651	- / 6.229	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 2 / Digital Communications System (DCS) (OSIP 10-99)			
Models of Systems Affected: F/A-18 and EA-18G				Modification Type: CAPABILITY IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 7.852	- / 1.171	- / 1.192	- / 1.471	- / -	- / 1.471	- / 1.536	- / 1.352	- / 1.418	- / 1.799	- / 1.326	- / 19.117	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	61.318	24.617	10.978	12.907	-	12.907	18.538	22.510	33.233	10.853	7.881	202.835	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 2 / Digital Communications System (DCS) (OSIP 10-99)	
Modification Item 1 of 1: Digital Communications System (DCS) (OSIP 10-99)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - A-Kits Archive					Installation Quantity: 483		
Method of Implementation (Organic): Not Installed - Gen 5 Radio (RT-1990/A)					Installation Quantity: 1142		
Method of Implementation (Organic): Organic - B-Kits Archive					Installation Quantity: 176		
Method of Implementation (Organic): Not Installed - Prior Year Installation Costs					Installation Quantity: 528		
Footnotes: ⁽⁴⁾ The "Gen 5 Radio (RT-1990/A)" kits will replace the previously appropriated DCS (RT-1824) kits.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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>)	1,003.373	81.003	104.993	148.287	-	148.287	147.791	140.080	152.653	148.235	1,200.592	3,127.007
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,003.373	81.003	104.993	148.287	-	148.287	147.791	140.080	152.653	148.235	1,200.592	3,127.007
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,003.373	81.003	104.993	148.287	-	148.287	147.791	140.080	152.653	148.235	1,200.592	3,127.007
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Incorporation of structural enhancements and changes is required to attain F/A-18 service life and maintain sufficient aircraft inventory to meet fleet operational requirements through FY 2030. Structural enhancements and changes include resolution of discrepancies identified as a result of structural test-16 and in-service experience. These Service Life Extension Program (SLEP) enhancements and changes to extend the life from 6,000 hours to 10,000 hours include: modifications to allow the entire airframe to extend flight hours; modifications to ensure structures currently limited to 78% of design life can achieve 100% life; modifications to ensure landing gear, catapult and attachment components can extend total landings. The unacceptable alternative to retrofitting would be the failure to reach full fatigue life for these aircraft and to not correct the structural defects discovered on fatigue test articles. In many cases, the mission capability of the aircraft would be adversely affected in addition to its reduced service life. As a result, aircraft may be prematurely removed from useful service. Center Barrel Replacement Plus (CBR+) is applicable to F/A-18A/B/C/Ds. Engineering Change Proposal (ECP) 904 Part 1 is the basic center barrel kit. ECP 904 Part 2 is required to extend Wing Root Fatigue Life Expended (WRFLE) and is not required for all aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Currently all Lot VI through XVII aircraft have 78% life limits without the structural life management plan modifications to bring them to 100% airframe life. McDonnell Douglas Corporation and Northrop Grumman Corporation developed ECP536 retrofit repair to modify these aircraft so they could restore the airframe to full life. ECP 536 was approved and validation was completed May 2001. The Fleet Readiness Center North Island developed ECP 904NI (CBR+) which was approved on 27 April 2000, ECP 904NI supersedes ECP 536. Validation started October 2000 and was completed in August 2001. Verification started August 2001 and was completed June 2002. ECP 536 moved from Operational, Safety and Improvement Program (OSIP) 11-99 to OSIP 11-84 in FY2002.

Prior to FY14, the OSIP reflected four generic ECPs for SLEP efforts. Beginning in FY14, the budget reflects the more specific SLEP ECPs that were identified during non-recurring engineering efforts.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+				
Models of Systems Affected: F/A-18 A/B/C/D				Modification Type: SAFETY / LIFE EXTENSION				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+													
A Kits													
Recurring													
1.1.1) CBR ECP 904 Part 1 (Basic) WRFLE SLEP - Night Attack - NonOrganic ⁽⁵⁾	225 / 203.434	8 / 0.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	233 / 203.556	
1.1.2) CBR+ ECP 904 Part 1 (Basic) WRFLE SLEP - Day Attack - NonOrganic ⁽⁶⁾	115 / 110.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.211	117 / 112.186	
1.1.3) CBR ECP 904 Part 1 Loose parts - Organic ⁽⁷⁾	- / -	2 / 1.000	- / -	21 / 4.469	- / -	21 / 4.469	- / -	- / -	- / -	- / -	- / -	23 / 5.469	
1.1.4) CBR+ ECP 904 Part 2 (Need Part 1) - NonOrganic ⁽⁸⁾	153 / 71.618	9 / 0.174	- / -	8 / 0.160	- / -	8 / 0.160	- / -	- / -	- / -	- / -	- / -	170 / 71.952	
1.1.5) ECP 1099 NLG Retract Actuator Supports (AFC-579) - NonOrganic	2 / 0.036	2 / 0.037	2 / 0.037	2 / 0.038	- / -	2 / 0.038	2 / 0.039	2 / 0.039	2 / 0.040	2 / 0.041	2 / 0.042	18 / 0.349	
1.1.6) ECP XXFCF09 Floor Segment -Fuel Bay, Ctr, Y374.8-Y453 - NonOrganic	- / -	- / -	2 / 0.007	47 / 0.173	- / -	47 / 0.173	32 / 0.120	21 / 0.080	28 / 0.109	15 / 0.059	5 / 0.020	150 / 0.568	
1.1.7) ECP XXW02 Rib, Wing, Outer-Canted XW179.700 - NonOrganic	- / -	- / -	- / -	2 / 0.162	- / -	2 / 0.162	32 / 2.600	21 / 1.737	28 / 2.358	28 / 2.400	39 / 3.403	150 / 12.660	
1.1.8) ECP XXACF03 Plate,Structural, Aircraft- Duct,Y526.000 to Y557.500 - NonOrganic	- / -	- / -	- / -	2 / 0.027	- / -	2 / 0.027	32 / 0.429	21 / 0.286	28 / 0.389	28 / 0.396	39 / 0.561	150 / 2.088	
1.1.9) ECP XXACF04 Plate, Structural, Aircraft-Fus Ctr Sect, Y544.000 - NonOrganic	- / -	- / -	- / -	2 / 0.054	- / -	2 / 0.054	32 / 0.857	21 / 0.573	28 / 0.777	28 / 0.791	39 / 1.122	150 / 4.174	
1.1.10) ECP XXW03 Spar, Wing, Outer-53.8% - NonOrganic	- / -	- / -	- / -	2 / 0.174	- / -	2 / 0.174	30 / 2.606	21 / 1.857	28 / 2.521	28 / 2.566	41 / 3.825	150 / 13.549	
1.1.11) ECP XXACF07 Support, Floor-Fuel Bay, Y518.000 to Y557.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.045	21 / 0.478	28 / 0.648	28 / 0.660	71 / 1.704	150 / 3.535	
1.1.12) ECP XXACF08 Support,Floor-Fuel Bay,Y488.000 to Y526.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.027	21 / 0.287	28 / 0.389	28 / 0.396	71 / 1.022	150 / 2.121	
1.1.13) ECP XXACF09 Longeron-Attach, Fuel Bay Floor to Keel, Y488 to Y526 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.029	21 / 0.301	28 / 0.408	28 / 0.416	71 / 1.073	150 / 2.227	
1.1.14) ECP XXW04 Spar Assy-Wing, Outer 68 % - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.164	21 / 1.725	28 / 2.342	28 / 2.384	71 / 6.154	150 / 12.769	
1.1.15) ECP XXACF11 Support, Floor-Fuel Bay, Y478.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.291	21 / 3.057	28 / 4.150	28 / 4.224	71 / 10.905	150 / 22.627	
1.1.16) ECP XXW01 Support, Structural Component, Aircraft-Outbd Pylon - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.735	2 / 0.748	146 / 55.592	150 / 57.075	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+				
Models of Systems Affected: F/A-18 A/B/C/D				Modification Type: SAFETY / LIFE EXTENSION				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
1.1.17) ECP XXW06 Fitting-Splice, Fwd, Spar No 1 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.059	2 / 0.060	146 / 4.459	150 / 4.578	
1.1.18) ECP XXW07 Splice Plate-Outbd, Lwr, Inner Wing, XW134.464 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	2 / 0.140	146 / 10.417	150 / 10.695	
1.1.19) ECP XXW08 Splice Plate-Outbd, Upr, Inner Wing, XW134.464 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	2 / 0.140	146 / 10.417	150 / 10.695	
1.1.20) ECP XXW09 Splice Plate-Inbd, Lower, Inner Wing, XW88.121 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.302	2 / 0.308	146 / 22.872	150 / 23.482	
1.1.21) ECP XXW10 Splice Plate-Inbd, Upr, Inner Wing, XW88.121 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.735	2 / 0.748	146 / 55.592	150 / 57.075	
1.1.22) ECP XXW11 Rib-Aft, Wing, Inner, XW84.720 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.059	2 / 0.060	146 / 4.459	150 / 4.578	
1.1.23) ECP XXW12 Fitting-Splice, Aft, Spar No 1 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	2 / 0.140	146 / 10.417	150 / 10.695	
1.1.24) ECP XXW27 Spar-Fwd, Wing Panel, Inner - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	2 / 0.140	146 / 10.417	150 / 10.695	
1.1.25) ECP XXW20 Spar, Wing, Outer-Intmd, No. 2 - NonOrganic	- / -	- / -	- / -	2 / 0.130	- / -	2 / 0.130	30 / 1.952	21 / 1.391	28 / 1.888	28 / 1.922	41 / 2.865	150 / 10.148	
1.1.26) ECP XXW21 Spar, Wing, Outer-Intermediate No. 1 - NonOrganic	- / -	- / -	- / -	2 / 0.130	- / -	2 / 0.130	30 / 1.952	21 / 1.391	28 / 1.888	28 / 1.922	41 / 2.865	150 / 10.148	
1.1.27) ECP XXACF13 Support, Floor-Fus Ctr Section, Y544.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.184	21 / 1.934	28 / 2.625	28 / 2.672	71 / 6.898	150 / 14.313	
1.1.28) ECP XXACF14 Former,Fuselage Upr,Ctr Section Y534.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.057	21 / 0.596	28 / 0.809	28 / 0.824	71 / 2.126	150 / 4.412	
1.1.29) ECP XXACF15 Former-Fus Ctr Sect, Side Hoisting, Y534.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.066	21 / 0.688	28 / 0.934	28 / 0.951	71 / 2.454	150 / 5.093	
1.1.30) ECP XXACF17 Former-Fus Ctr Sect, Upper,Y508.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.177	21 / 1.859	28 / 2.523	28 / 2.569	71 / 6.631	150 / 13.759	
1.1.31) ECP XXACF18 Former Segment-Fus Ctr Sect, Upper, Y497.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.177	21 / 1.859	28 / 2.523	28 / 2.569	71 / 6.631	150 / 13.759	
1.1.32) ECP XXACF16 Former-Upper Segment Y518.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.019	28 / 0.273	28 / 0.277	92 / 0.928	150 / 1.497	
1.1.33) ECP XXACF21 Longeron-Fus Ctr Sect, Side, Y453.02-Y542.60 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.047	28 / 0.654	28 / 0.666	92 / 2.227	150 / 3.594	
1.1.34) ECP XXW15 Intercostal-Wing, Inner, Y488.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.198	2 / 0.202	146 / 15.008	150 / 15.408	
1.1.35) ECP XXW16 Web-Intercostal, Wing, Inner, Y488.00 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.032	2 / 0.032	146 / 2.401	150 / 2.465	
1.1.36) ECP XXW17 Intercostal-Wing, Inner, Y470.50 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.048	2 / 0.048	146 / 3.602	150 / 3.698	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+				
Models of Systems Affected: F/A-18 A/B/C/D				Modification Type: SAFETY / LIFE EXTENSION				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
1.1.37) ECP XXACF24 Longeron-Lower Inbd Y488.000 to Y557.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.048	2 / 0.048	146 / 3.602	150 / 3.698	
1.1.38) ECP XXACF25 Former- Fus Ctr Sect, Upper, Y462.250 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.034	2 / 0.034	146 / 2.551	150 / 2.619	
1.1.39) ECP XXACF26 Former - Fus Ctr Sect, Upper, Y478.500 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.019	2 / 0.019	146 / 1.413	150 / 1.451	
1.1.40) ECP XXW22 Rib-Outbd, Actr Backup, Wing, Inner, XW91.360 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.495	2 / 0.504	146 / 37.462	150 / 38.461	
1.1.41) ECP XXW23 Rib-Outbd, Actr Backup, Wing, Inner, XW85.220 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.495	2 / 0.504	146 / 37.462	150 / 38.461	
1.1.42) ECP XXW25 Rib-Inbd, Actr Backup, Wing, Inner, XW85.220 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.534	2 / 0.544	146 / 40.393	150 / 41.471	
1.1.43) ECP XXW26 Rib-Inbd, Actr Backup, Wing, Inner XW91.360 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.495	2 / 0.504	146 / 37.462	150 / 38.461	
1.1.44) ECP XXFFL02 Spt Assy-Outbd, Aft, LE Ext, LH, Aft (see 74A200932 RH) - NonOrganic	- / -	- / -	2 / 0.198	45 / 4.464	- / -	45 / 4.464	33 / 3.332	21 / 2.159	28 / 2.930	21 / 2.237	- / -	150 / 15.320	
1.1.45) ECP XXFFL03 Spar-Inbd Aft, LE Ext, LH (see 74A200929 & 74A200930 RH) - NonOrganic	- / -	- / -	2 / 0.198	45 / 4.464	- / -	45 / 4.464	33 / 3.332	21 / 2.159	28 / 2.930	21 / 2.237	- / -	150 / 15.320	
1.1.46) ECP XXACF02 Adapter - Missile Launcher, Y488 - Y497 - NonOrganic	- / -	- / -	- / -	2 / 0.025	- / -	2 / 0.025	30 / 0.375	21 / 0.267	28 / 0.363	28 / 0.369	41 / 0.550	150 / 1.949	
1.1.47) ECP XXW28 Pin, Hollow-Wing/Fus Attach (Lower) - NonOrganic	- / -	- / -	- / -	2 / 0.014	- / -	2 / 0.014	30 / 0.214	21 / 0.153	28 / 0.207	28 / 0.211	41 / 0.315	150 / 1.114	
1.1.48) ECP XXW05 Closure-Aft, Missile Support Rib - NonOrganic	- / -	- / -	- / -	2 / 0.087	- / -	2 / 0.087	30 / 1.312	21 / 0.935	28 / 1.269	28 / 1.292	41 / 1.926	150 / 6.821	
1.1.49) ECP XXAF07 Arm, Actuating-Horizontal Stabilizer - NonOrganic	- / -	- / -	- / -	2 / 0.011	- / -	2 / 0.011	30 / 0.165	21 / 0.118	28 / 0.160	28 / 0.163	41 / 0.242	150 / 0.859	
1.1.50) ECP XXACF12 Support,Floor-Fuel Bay,Y470.500 to Y488.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.016	21 / 0.172	28 / 0.233	28 / 0.238	71 / 0.613	150 / 1.272	
1.1.51) ECP XXACF10 Plate, Structural, Aircraft-Keel Attach, Y488.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.023	21 / 0.241	28 / 0.327	28 / 0.333	71 / 0.859	150 / 1.783	
1.1.52) ECP XXFFL04 Support-Web, X7.0, Canted Y260.677 - Y286.5, Z111.65 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	21 / 0.003	28 / 0.003	28 / 0.003	71 / 0.007	150 / 0.016	
1.1.53) ECP XXW13 Rib-Aft,Wing,Inner,XW91.920 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.156	28 / 2.180	30 / 2.378	90 / 7.263	150 / 11.977	
1.1.54) ECP XXFFL06 Bulkhead-Fwd Fus, Acft, Y260.677 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	28 / 0.003	30 / 0.003	90 / 0.009	150 / 0.015	
1.1.55) ECP XXW14 Rib,Wing,Outer-Trailing Edge,CXW181.25 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.117	28 / 1.635	30 / 1.784	90 / 5.447	150 / 8.983	
1.1.56) ECP XXACF20 Plate, Structural, Aircraft-Fus Ctr Sect, Lwr, Y488.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.029	28 / 0.409	30 / 0.446	90 / 1.362	150 / 2.246	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+				
Models of Systems Affected: F/A-18 A/B/C/D				Modification Type: SAFETY / LIFE EXTENSION				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
1.1.57) ECP XXAF03 Plate, T-Longeron, Y607.000, Y615.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.004	28 / 0.057	30 / 0.062	90 / 0.191	150 / 0.314	
1.1.58) ECP XXACF23 Web-Keel, Y488-Y518 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020	2 / 0.020	146 / 1.501	150 / 1.541	
1.1.59) ECP XXACF28 Web, Support-Missile Launcher, Y488.000 to Y534.000 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.010	2 / 0.010	146 / 0.750	150 / 0.770	
1.1.60) ECP XXW24 Rib-Aft, Wing, Inner, XW118.780 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.159	2 / 0.162	146 / 12.007	150 / 12.328	
1.1.61) ECP XXACF27 Web-Longeron to Duct, Wing Drag, Y453-Y488 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.010	2 / 0.010	146 / 0.750	150 / 0.770	
Subtotal: Recurring	- / 386.063	- / 1.333	- / 0.440	- / 14.582	- / -	- / 14.582	- / 20.541	- / 26.717	- / 45.993	- / 45.586	- / 464.457	- / 1,005.712	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁹⁾	- / 104.968	- / 33.050	- / 36.425	- / 41.658	- / -	- / 41.658	- / 39.208	- / 18.175	- / 15.517	- / 20.585	- / 94.587	- / 404.173	
Subtotal: Non-Recurring	- / 104.968	- / 33.050	- / 36.425	- / 41.658	- / -	- / 41.658	- / 39.208	- / 18.175	- / 15.517	- / 20.585	- / 94.587	- / 404.173	
B Kits													
Recurring													
2.1.1) Fuel Cell Refurb & RIM (RIM start FY08) - NonOrganic ⁽¹⁰⁾	254 / 30.558	8 / 2.172	18 / 4.974	23 / 6.471	- / -	23 / 6.471	24 / 6.873	17 / 4.956	6 / 1.781	- / -	- / -	350 / 57.785	
2.1.2) Nacelle RIM (271 & 316C1) - NonOrganic ⁽¹¹⁾	34 / 2.210	6 / 0.447	18 / 1.364	23 / 1.774	- / -	23 / 1.774	24 / 1.885	17 / 1.359	6 / 0.488	- / -	- / -	128 / 9.527	
2.1.3) Prior Year Installation costs - Organic ⁽¹²⁾	1 / 0.839	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.839	
Subtotal: Recurring	- / 33.607	- / 2.619	- / 6.338	- / 8.245	- / -	- / 8.245	- / 8.758	- / 6.315	- / 2.269	- / -	- / -	- / 68.151	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic ⁽¹³⁾	- / 11.129	- / 1.398	- / 2.121	- / 5.920	- / -	- / 5.920	- / -	- / 5.240	- / 3.282	- / -	- / -	- / 29.090	
Subtotal: Non-Recurring	- / 11.129	- / 1.398	- / 2.121	- / 5.920	- / -	- / 5.920	- / -	- / 5.240	- / 3.282	- / -	- / -	- / 29.090	
Subtotal: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+	784 / 535.767	35 / 38.400	44 / 45.324	234 / 70.405	- / -	234 / 70.405	480 / 68.507	596 / 56.447	984 / 67.061	955 / 66.171	5,328 / 559.044	9,440 / 1,507.126	
Subtotal: Procurement, All Modification Items	- / 535.767	- / 38.400	- / 45.324	- / 70.405	- / -	- / 70.405	- / 68.507	- / 56.447	- / 67.061	- / 66.171	- / 559.044	- / 1,507.126	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 17.927	- / -	- / 0.437	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.364	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment ⁽¹⁴⁾	- / 7.153	- / 1.829	- / 3.440	- / 4.713	- / -	- / 4.713	- / 0.420	- / -	- / -	- / -	- / -	- / 17.555	

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LI 0525 - F-18 Series
Navy

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+	
Modification Item 1 of 1: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+							
Manufacturer Information							
Manufacturer Name: Northrop Grumman - CBR+ (ECP 904 Part 1) - Day Attack					Manufacturer Location: El Segundo, CA		
Administrative Leadtime (<i>in Months</i>): 4					Production Leadtime (<i>in Months</i>): 7		
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: Northrop Grumman - CBR+ (ECP 904 Part 2)					Manufacturer Location: El Segundo, CA		
Administrative Leadtime (<i>in Months</i>): 3					Production Leadtime (<i>in Months</i>): 29		
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013		Dec 2015				
Delivery Dates	May 2016		May 2018				
Manufacturer Name: Boeing - SLEP ECPs					Manufacturer Location: St Louis, MO		
Administrative Leadtime (<i>in Months</i>): 6					Production Leadtime (<i>in Months</i>): 7		
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020
Delivery Dates		Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: Reliant/Northrop Grumman - Fuel Cell Refurb and RIM / Nacelle RIM					Manufacturer Location: Ft Worth, TX and El Segundo, CA		
Administrative Leadtime (<i>in Months</i>): 3					Production Leadtime (<i>in Months</i>): 4		
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	
Delivery Dates	Apr 2014	Apr 2015	Apr 2016	Apr 2017	Apr 2018	Apr 2019	
Manufacturer Name: Northrop Grumman - CBR+ (ECP 904 Part 1) - Night Attack					Manufacturer Location: El Segundo, CA		
Administrative Leadtime (<i>in Months</i>): 7					Production Leadtime (<i>in Months</i>): 4		
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014						
Delivery Dates	Aug 2014						
Manufacturer Name: North Island - ECP 1099 NLG Retract Actuator Supports					Manufacturer Location: San Diego, CA		
Administrative Leadtime (<i>in Months</i>): 2					Production Leadtime (<i>in Months</i>): 12		
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+		

Modification Item 1 of 1: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Manufacturer Information							
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Delivery Dates	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019	Nov 2020

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: CBR ECP 904 Part 1 (Basic) WRFLE SLEP - Night Attac

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	157 / 199.265	6 / 10.062	2 / 3.354	18 / 31.279	- / 0.000	18 / 31.279	14 / 24.765	15 / 27.010	13 / 23.830	- / -	- / -	225 / 319.565
FY 2014	- / -	- / -	8 / 13.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 13.416
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	157 / 199.265	6 / 10.062	10 / 16.770	18 / 31.279	- / -	18 / 31.279	14 / 24.765	15 / 27.010	13 / 23.830	- / -	- / -	233 / 332.981

Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	157	2	2	1	1	5	5	-	-	4	4	5	5	2	2	5	5	3	4	4	4	13	-	-	-	-	-	-	-	-	233
Out	150	2	1	1	1	1	1	2	2	1	1	5	5	-	-	4	4	5	5	2	2	5	5	3	4	4	4	13	-	-	233

Method of Implementation: Navy Drive-In Modification:: Installation Name: CBR+ ECP 904 Part 1 (Basic) WRFLE SLEP - Day Attack

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	97 / 112.831	2 / 3.354	4 / 6.828	5 / 8.688	- / 0.000	5 / 8.688	6 / 10.613	1 / 1.801	- / -	- / -	- / -	115 / 144.115
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Modification Item 1 of 1: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: CBR+ ECP 904 Part 1 (Basic) WRFLE SLEP - Day Attack

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.601	2 / 3.601
Total	97 / 112.831	2 / 3.354	4 / 6.828	5 / 8.688	- / -	5 / 8.688	6 / 10.613	1 / 1.801	- / -	- / -	2 / 3.601	117 / 147.716

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	97	1	1	-	-	1	1	1	1	1	1	1	2	1	1	2	2	1	-	-	-	-	-	-	-	-	-	-	-	2	117
Out	90	1	1	1	1	1	2	1	1	-	-	1	1	1	1	1	1	1	2	1	1	2	2	1	-	-	-	-	-	2	117

Method of Implementation: Navy Drive-In Modification:: Installation Name: CBR+ ECP 904 Part 2 (Need Part 1)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	134 / 7.968	6 / 0.048	6 / 0.049	7 / 0.058	- / 0.000	7 / 0.058	- / -	- / -	- / -	- / -	- / -	153 / 8.123
FY 2014	- / -	- / -	- / -	1 / 0.008	- / -	1 / 0.008	8 / 0.069	- / -	- / -	- / -	- / -	9 / 0.077
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.016	6 / 0.052	- / -	- / -	8 / 0.068
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	134 / 7.968	6 / 0.048	6 / 0.049	8 / 0.066	- / -	8 / 0.066	8 / 0.069	2 / 0.016	6 / 0.052	- / -	- / -	170 / 8.268

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Modification Item 1 of 1: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: CBR+ ECP 904 Part 2 (Need Part 1)

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	134	1	1	2	2	1	1	2	2	7	-	-	1	5	3	-	-	-	-	-	2	6	-	-	-	-	-	-	-	-	170
Out	130	1	1	1	1	-	-	1	1	2	2	1	1	2	2	7	-	-	1	5	3	-	-	-	-	-	2	6	-	-	170

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1099 NLG Retract Actuator Supports (AFC-579)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 0.068	1 / 0.068	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.136
FY 2014	- / -	- / -	2 / 0.135	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.135
FY 2015	- / -	- / -	- / -	2 / 0.138	- / -	2 / 0.138	- / -	- / -	- / -	- / -	- / -	2 / 0.138
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.140	- / -	- / -	- / -	- / -	2 / 0.140
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.143	- / -	- / -	- / -	2 / 0.143
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.146	- / -	- / -	2 / 0.146
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.146	- / -	2 / 0.146
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.148	2 / 0.148
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.148	2 / 0.148
Total	1 / 0.068	1 / 0.068	2 / 0.135	2 / 0.138	- / -	2 / 0.138	2 / 0.140	2 / 0.143	2 / 0.146	2 / 0.146	4 / 0.296	18 / 1.280

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	1	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	4	18
Out	1	1	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	4	18

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Modification Item 1 of 1: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: SLEP ECPs

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	6 / 0.411	- / -	6 / 0.411	- / -	- / -	- / -	- / -	- / -	6 / 0.411
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	157 / 10.105	- / -	- / -	- / -	- / -	157 / 10.105
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	430 / 20.893	- / -	- / -	- / -	430 / 20.893
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	560 / 27.187	- / -	- / -	560 / 27.187
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	970 / 46.921	- / -	970 / 46.921
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	953 / 45.857	953 / 45.857
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,324 / 467.987	5,324 / 467.987
Total	- / -	- / -	- / -	6 / 0.411	- / -	6 / 0.411	157 / 10.105	430 / 20.893	560 / 27.187	970 / 46.921	6,277 / 513.844	8,400 / 619.361

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	6	-	-	-	89	68	-	-	227	203	-	-	309	251	-	-	487	483	-	-	6,277	8,400
Out	-	-	-	-	-	-	-	-	-	6	-	-	-	89	68	-	-	227	203	-	-	309	251	-	-	487	483	-	-	6,277	8,400

Method of Implementation: Navy Drive-In Modification:: Installation Name: Fuel Cell Refurb & RIM and Nacelle RIM

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	288 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	288 / 0.000
FY 2014	- / -	14 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / -
FY 2015	- / -	- / -	36 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / -
FY 2016	- / -	- / -	- / -	46 / -	- / -	46 / -	- / -	- / -	- / -	- / -	- / -	46 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	48 / -	- / -	- / -	- / -	- / -	48 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / -	- / -	- / -	- / -	34 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / -	- / -	- / -	12 / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Modification Item 1 of 1: F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: Fuel Cell Refurb & RIM and Nacelle RIM

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	288 / 0.000	14 / -	36 / -	46 / -	- / -	46 / -	48 / -	34 / -	12 / -	- / -	- / -	478 / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	288	-	-	7	7	-	-	18	18	-	-	23	23	-	-	24	24	-	-	17	17	-	-	6	6	-	-	-	-	-	478
Out	288	-	-	7	7	-	-	18	18	-	-	23	23	-	-	24	24	-	-	17	17	-	-	6	6	-	-	-	-	-	478

Method of Implementation (Organic): Organic - CBR ECP 904 Part 1 Loose parts

Installation Quantity: 23

Method of Implementation (Organic): Not Installed - Prior Year Installation costs

Installation Quantity: 1

Footnotes:

⁽⁵⁾ Kit installs are delayed due to procurement of Canadian and Australian kits. In addition, prior year procurements were planned based on ability to install 40 kits per year. Actual capacity to install is only 26 kits per year.

⁽⁶⁾ A) Kit installs are delayed due to procurement of Canadian and Australian kits. In addition, prior year procurements were planned based on ability to install 40 kits per year. Actual capacity to install is only 26 kits per year. B) In FY16, loose parts have been identified on a separate cost element, since there are no CBR kits to combine them with. C) Due to production line shut down, 23 kits were procured in FY13 as a life of type buy.

⁽⁷⁾ In Prior years, ECP 904 Pt 1 cost includes funding for loose parts. In FY14 and FY16, the loose parts have been identified on a separate cost element, since there are no CBR kits to combine them with.

⁽⁸⁾ A) Kit pricing is quantity sensitive. Foreign military sales procurements in some years affect unit price. B) Kit installs are delayed due to procurement of Canadian and Australian kits. In addition, prior year procurements were planned based on ability to install 40 kits per year. Actual capacity to install is only 26 kits per year.

⁽⁹⁾ SLEP Non-Recurring Engineering (NRE) funding increases in FY16 due to ramp up of SLEP efforts.

⁽¹⁰⁾ Fuel Cell Refurb and Repair Incident to Mod (RIM) B-kits are installed in conjunction with CBR installs, but have different leadtimes. Therefore, they do not have an associated install cost. Funding for RIM is budgeted based on known repair requirements that will occur each time an F/A-18 is opened to install the CBR+ structural components. These issues are inherent and expected during a modification of this scope where areas of the aircraft are being disassembled that were never intended to be disassembled when originally manufactured.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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- (11) Nacelle RIM B-kits are installed in conjunction with CBR installs, but have different leadtimes. Therefore, they do not have an associated install cost. Funding for RIM is budgeted based on known repair requirements that will occur each time an F/A-18 is opened to install the CBR+ structural components. These issues are inherent and expected during a modification of this scope where areas of the aircraft are being disassembled that were never intended to be disassembled when originally manufactured.
- (12) Prior year install cost includes \$10.357M for parts 2 and 3 in prior years. Quantity of 126 installs are complete and no schedule is required.
- (13) Install Equipment N/R represents production line shutdown costs of three separate events during the FYDP. Costs in FY14 - FY16 represent CBR line shutdown at the vendor. Costs in FY18-19 represent CBR production line shutdown at two depots.
- (14) Funding in Support Equipment cost element includes Naval Synchronization Tool (NST) efforts.
- (15) ILS funding increases in FY16 due to ramp up of SLEP efforts.
- (16) Other Support increases in FY16 due to ramp up of SLEP efforts.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)

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)	393.403	38.961	21.269	62.660	-	62.660	67.856	85.070	60.269	60.900	276.031	1,066.419
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	393.403	38.961	21.269	62.660	-	62.660	67.856	85.070	60.269	60.900	276.031	1,066.419
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	393.403	38.961	21.269	62.660	-	62.660	67.856	85.070	60.269	60.900	276.031	1,066.419
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) funds a tactical data link communications system to provide a secure digital communications and navigation to aircraft. Multifunctional Information Distribution System Low Volume Terminal (MIDS-LVT) is in use in United States Navy/United States Marine Corps F/A-18A++/C/D/E/F and EA-18G aircraft. The MIDS Joint Tactical Radio System (JTRS) was an Engineering Change Proposal (ECP) upgrade to the MIDS-LVT and offers the same functionality as MIDS-LVT (Link 16, tactical air navigation, and digital voice) in a software-controlled architecture JTRS-compliant format, and provides the option of future expandability to host follow-on advanced tactical data links (i.e. Tactical Targeting Network Technology (TTNT). MIDS JTRS is approved for retrofit in Lots 26-31 F/A-18E/F and EA-18G aircraft and is funded for retrofit incorporation as MIDS JTRS 4-Net Concurrent Multi-Netting and Concurrent Contention Receive (CMN-4) in all MIDS-capable Navy F/A-18 and EA-18G aircraft. MIDS JTRS provides cryptographic modernization and frequency remapping capability. CMN-4 provides increased Link 16 capacity to support Navy Integrated Fire Control-Counter Air. With either MIDS-LVT or MIDS JTRS installed, F/A-18 is interoperable with all Link 16 equipped platforms in United States and Allied Nations. This OSIP will also be used to perform efforts to address parts obsolescence. Single MIDS Operational Requirements Document # 642-61-04 and MIDS JTRS Capability Production Document Version 2.0 are germane. Increase in funding beginning in FY14 is for integration (including engineering and test efforts) and provisioning of the all-MIDS JTRS fleet with CMN-4.

Current Active Modifications:

MIDS JTRS cable sets; MIDS JTRS Terminals; MIDS JTRS Terminals (CMN-4); MIDS JTRS Upgrades (CMN-4); 27C System Configuration Set (SCS); H10 SCS; H12 SCS

Future Modifications:

E/F MIDS JTRS TTNT Terminals; EA-18G MIDS JTRS TTNT Terminals

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

This OSIP was originally planned for incorporation of MIDS into F/A-18C/D (Lots 12-21) and F/A-18E/F (Lots 22-31), but is now applicable to all F/A-18A++/C/D/E/F and EA-18G aircraft. MIDS-LVT was found effective and suitable in a Verification Correction of Deficiencies (VCD) that was completed on 15 August 2003 and MIDS JTRS completed its VCD in March 2012 with the same finding. Full rate production approval for MIDS-LVT was granted on 25 September 2003 and for MIDS JTRS on 4 April 2012.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)					
Models of Systems Affected: F/A-18 and EA-18G				Modification Type: CAPABILITY IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)													
A Kits													
Recurring													
1.1.1) A-Kits Archive - Organic	421 / 57.676	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	421 / 57.676	
1.1.2) MIDS JTRS cable sets - Organic	- / -	- / -	- / -	111 / 0.555	- / -	111 / 0.555	159 / 0.795	206 / 1.030	132 / 0.660	156 / 0.780	166 / 0.845	930 / 4.665	
Subtotal: Recurring	- / 57.676	- / -	- / -	- / 0.555	- / -	- / 0.555	- / 0.795	- / 1.030	- / 0.660	- / 0.780	- / 0.845	- / 62.341	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / -	- / 0.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.063	
Subtotal: Non-Recurring	- / 0.000	- / 0.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.063	
B Kits													
Recurring													
2.1.1) MIDS JTRS Terminals - Organic	12 / 7.738	31 / 10.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 18.538	
2.1.2) MIDS JTRS Terminals (CMN-4) - Organic	- / -	- / -	- / -	111 / 37.185	- / -	111 / 37.185	141 / 48.085	192 / 66.657	123 / 43.470	139 / 50.010	224 / 82.041	930 / 327.448	
2.1.3) MIDS JTRS Upgrades (CMN-4) - Organic	- / -	- / -	- / -	57 / 5.130	- / -	57 / 5.130	57 / 5.222	57 / 5.316	59 / 5.602	- / -	- / -	230 / 21.270	
2.1.4) 27C SCS - Organic	- / 0.018	- / 2.435	- / 5.484	- / 3.267	- / -	- / 3.267	- / 0.105	- / -	- / -	- / -	- / -	- / 11.309	
2.1.5) H10 SCS - Organic	- / -	- / 0.184	- / 0.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.225	
2.1.6) H12 SCS - Organic	- / 0.251	- / 2.224	- / 3.801	- / 3.126	- / -	- / 3.126	- / 1.001	- / 0.017	- / -	- / -	- / -	- / 10.420	
2.1.7) E/F MIDS JTRS TTNT Terminals - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	414 / 130.800	414 / 130.800	
2.1.8) EA-18G MIDS JTRS TTNT Terminals - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 57.100	120 / 57.100	
2.1.9) ECP 577R3 - NonOrganic ⁽¹⁷⁾	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	
2.1.10) B-Kits Archive - Organic	1,021 / 201.802	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,021 / 201.802	
2.1.11) Prior Year Installation Costs - Organic	461 / 39.882	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	461 / 39.882	
Subtotal: Recurring	- / 249.691	- / 15.643	- / 9.326	- / 48.708	- / -	- / 48.708	- / 54.413	- / 71.990	- / 49.072	- / 50.010	- / 269.941	- / 818.794	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic	- / 37.894	- / 20.472	- / 9.240	- / 10.630	- / -	- / 10.630	- / 10.210	- / 9.567	- / 8.003	- / 7.530	- / -	- / 113.546	
Subtotal: Non-Recurring	- / 37.894	- / 20.472	- / 9.240	- / 10.630	- / -	- / 10.630	- / 10.210	- / 9.567	- / 8.003	- / 7.530	- / -	- / 113.546	
Subtotal: Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)	1,917 / 345.261	31 / 36.178	- / 18.566	279 / 59.893	- / -	279 / 59.893	357 / 65.418	455 / 82.587	314 / 57.735	295 / 58.320	924 / 270.786	4,572 / 994.744	
Subtotal: Procurement, All Modification Items	- / 345.261	- / 36.178	- / 18.566	- / 59.893	- / -	- / 59.893	- / 65.418	- / 82.587	- / 57.735	- / 58.320	- / 270.786	- / 994.744	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.980	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)				
Models of Systems Affected: F/A-18 and EA-18G			Modification Type: CAPABILITY IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.2) Data	- / 1.980	- / 0.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.453
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 7.386	- / 0.158	- / 0.518	- / 0.542	- / -	- / 0.542	- / 0.173	- / 0.178	- / 0.186	- / 0.190	- / 0.380	- / 9.711
3.5) ILS	- / 9.260	- / 1.399	- / 1.424	- / 1.450	- / -	- / 1.450	- / 1.476	- / 1.502	- / 1.530	- / 1.557	- / 3.170	- / 22.768
3.6) Other Support	- / 28.536	- / 0.748	- / 0.761	- / 0.775	- / -	- / 0.775	- / 0.789	- / 0.803	- / 0.818	- / 0.833	- / 1.695	- / 35.758
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 48.142	- / 2.778	- / 2.703	- / 2.767	- / -	- / 2.767	- / 2.438	- / 2.483	- / 2.534	- / 2.580	- / 5.245	- / 71.670
Installation												
Modification Item 1 of 1: Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)	- / 0.000	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.005
Subtotal: Installation	- / 0.000	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.005
Total												
Total Cost (Procurement + Support + Installation)	393.403	38.961	21.269	62.660	-	62.660	67.856	85.070	60.269	60.900	276.031	1,066.419
</												

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series			
				Modification Number / Title: 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)			

Modification Item 1 of 1: Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP 577R3

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	2 / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.005
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.005

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

Method of Implementation (Organic): Not Installed - A-Kits Archive	Installation Quantity: 421
Method of Implementation (Organic): Not Installed - MIDS JTRS cable sets	Installation Quantity: 930

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)
Modification Item 1 of 1: Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)		
Installation Information		
Method of Implementation (Organic): Not Installed - MIDS JTRS Terminals		Installation Quantity: 43
Method of Implementation (Organic): Organic - MIDS JTRS Terminals (CMN-4)		Installation Quantity: 930
Method of Implementation (Organic): Organic - MIDS JTRS Upgrades (CMN-4)		Installation Quantity: 230
Method of Implementation (Organic): Organic - E/F MIDS JTRS TTNT Terminals		Installation Quantity: 414
Method of Implementation (Organic): Organic - EA-18G MIDS JTRS TTNT Terminals		Installation Quantity: 120
Method of Implementation (Organic): Not Installed - B-Kits Archive		Installation Quantity: 1021
Method of Implementation (Organic): Not Installed - Prior Year Installation Costs		Installation Quantity: 461
Footnotes: ⁽¹⁷⁾ Quantity of two kits were procured in 2002.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)		
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>	342.108	8.017	16.487	9.239	-	9.239	9.830	6.019	3.400	-	-	395.100
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	342.108	8.017	16.487	9.239	-	9.239	9.830	6.019	3.400	-	-	395.100
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	342.108	8.017	16.487	9.239	-	9.239	9.830	6.019	3.400	-	-	395.100
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This Operational Safety Improvement Program (OSIP) upgrades United States Marine Corps (USMC) F/A-18A/B/C/Ds avionics including both hardware and software capabilities. This requirement is critical to meet the Marine Corps requirements for the Tactical Aircraft Integration Plan. The avionics upgrade includes avionics subsystems already incorporated or being incorporated into USMC and/or Foreign Military Sales F/A-18 aircraft. ECP 583R6 incorporates the Navy Aircrew Common Ejection Seat (NACES) for utilization with the Joint Helmet Mounted Cueing System (JHMCS) system on C+ aircraft. ECP 1153 adds the following capabilities to C+ aircraft: MIDS LVT; color displays; JHMCS; ALE-47; Tactical Aircraft Moving Map Capability (TAMMAC); and Advanced Memory Unit (AMU). ECP 583-TBD for B+ will incorporate the NACES, MIDS LVT; color displays; JHMCS; ALE-47; TAMMAC; and AMU on the B+ aircraft. Current Active Modifications: ECP 1153(C+) DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The number of aircraft to be retrofitted in the program of record has changed; the USMC has deferred retrofitting some early lot F/A-18C/Ds vice only F/A-18A/Bs due to greater remaining life on those aircraft. ECP 583 was approved 25 March 1999. ECP 583R1 was approved in August 2001. ECP 583R2 was approved in 2004. ECP 583R3 was cancelled and ECP 583R4 was approved in 2006. A new start notification was sent to Congress in FY2003 to initiate the Litening integration and procurement of the FY2004 installation kits.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)				
Models of Systems Affected: F/A-18 A/B/C/D				Modification Type: AVIONICS UPGRADE				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement												
Modification Item 1 of 1: USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)												
A Kits												
Recurring												
1.1.1) ECP-1153 A-kits - Organic	2 / 1.212	4 / 2.468	11 / 6.908	12 / 5.292	- / -	12 / 5.292	1 / 0.326	- / -	- / -	- / -	- / -	30 / 16.206
1.1.2) A-Kits Archive - Organic ⁽¹⁸⁾	216 / 19.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	216 / 19.105
Subtotal: Recurring	- / 20.317	- / 2.468	- / 6.908	- / 5.292	- / -	- / 5.292	- / 0.326	- / -	- / -	- / -	- / -	- / 35.311
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 17.495	- / 0.056	- / 0.285	- / 0.443	- / -	- / 0.443	- / 0.527	- / 0.621	- / 0.036	- / -	- / -	- / 19.463
Subtotal: Non-Recurring	- / 17.495	- / 0.056	- / 0.285	- / 0.443	- / -	- / 0.443	- / 0.527	- / 0.621	- / 0.036	- / -	- / -	- / 19.463
B Kits												
Recurring												
2.1.1) ECP 1153 (C+) - NonOrganic ⁽¹⁹⁾	7 / 11.753	- / -	- / -	- / -	- / -	- / -	10 / -	9 / -	4 / -	- / -	- / -	30 / 11.753
2.1.2) ECP-1153 JHMCS Lower Helmet VI - Organic	12 / 0.099	- / -	14 / 0.022	14 / 0.022	- / -	14 / 0.022	- / -	- / -	- / -	- / -	- / -	40 / 0.143
2.1.3) ECP-1153 - JHMCS Canopy Mod (AYC-1361) - Organic	2 / 0.002	- / -	14 / 0.018	14 / 0.018	- / -	14 / 0.018	- / -	- / -	- / -	- / -	- / -	30 / 0.038
2.1.4) ECP-1153 - B kits - Organic	2 / 0.003	- / -	11 / 0.447	12 / 0.432	- / -	12 / 0.432	- / -	- / -	- / -	- / -	- / -	25 / 0.882
2.1.5) ECP-1153 USMC Displays- MDGU - Organic	- / -	2 / 2.410	8 / 5.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 7.450
2.1.6) B-Kits Archive - Organic ⁽²⁰⁾	1,350 / 233.712	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,350 / 233.712
2.1.7) Prior Year Installation Cost - Organic ⁽²¹⁾	236 / 44.157	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	236 / 44.157
Subtotal: Recurring	- / 289.726	- / 2.410	- / 5.527	- / 0.472	- / -	- / 0.472	- / -	- / -	- / -	- / -	- / -	- / 298.135
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽²²⁾	- / -	- / -	- / 0.269	- / -	- / -	- / -	- / 0.754	- / 0.333	- / -	- / -	- / -	- / 1.356
Subtotal: Non-Recurring	- / 0.000	- / -	- / 0.269	- / -	- / -	- / -	- / 0.754	- / 0.333	- / -	- / -	- / -	- / 1.356
Subtotal: USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)	1,827 / 327.538	6 / 4.934	58 / 12.989	52 / 6.207	- / -	52 / 6.207	11 / 1.607	9 / 0.954	4 / 0.036	- / -	- / -	1,967 / 354.265
Subtotal: Procurement, All Modification Items	- / 327.538	- / 4.934	- / 12.989	- / 6.207	- / -	- / 6.207	- / 1.607	- / 0.954	- / 0.036	- / -	- / -	- / 354.265
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 1.812	- / -	- / 1.677	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.489
3.3) Training Equipment	- / 0.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.747

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)				
Models of Systems Affected: F/A-18 A/B/C/D				Modification Type: AVIONICS UPGRADE					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.4) Support Equipment	- / 3.340	- / 1.033	- / 0.968	- / -	- / -	- / -	- / 1.192	- / -	- / -	- / -	- / -	- / 6.533	
3.5) ILS	- / 2.880	- / 0.219	- / 0.471	- / 0.541	- / -	- / 0.541	- / 0.364	- / 0.370	- / 0.377	- / -	- / -	- / 5.222	
3.6) Other Support	- / 5.791	- / 0.945	- / 0.382	- / 0.282	- / -	- / 0.282	- / 0.287	- / 0.292	- / 0.353	- / -	- / -	- / 8.332	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 14.570	- / 2.197	- / 3.498	- / 0.823	- / -	- / 0.823	- / 1.843	- / 0.662	- / 0.730	- / -	- / -	- / 24.323	
Installation													
Modification Item 1 of 1: USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)	- / 0.000	- / 0.886	- / -	- / 2.209	- / -	- / 2.209	- / 6.380	- / 4.403	- / 2.634	- / -	- / -	- / 16.512	
Subtotal: Installation	- / 0.000	- / 0.886	- / -	- / 2.209	- / -	- / 2.209	- / 6.380	- / 4.403	- / 2.634	- / -	- / -	- / 16.512	
Total													
Total Cost (Procurement + Support + Installation)	342.108	8.017	16.487	9.239	-	9.239	9.830	6.019	3.400	-	-	395.100	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)													
Modification Item 1 of 1: USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)																																	
Manufacturer Information																																	
Manufacturer Name: Various - ECP-1153 (C+)															Manufacturer Location: Various																		
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 20																		
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020							
Contract Dates																																	
Delivery Dates																																	
Installation Information																																	
Method of Implementation: Navy Field Modification Team:: Installation Name: ECP 1153 (C+)																																	
Installation Cost		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																				
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																				
Prior Years		- / -	2 / 0.886	- / -	4 / 2.209	- / 0.000	4 / 2.209	1 / 0.580	- / -	- / -	- / -	- / -	7 / 3.675																				
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	10 / 5.800	- / -	- / -	- / -	- / -	10 / 5.800																				
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.403	- / -	- / -	- / -	9 / 4.403																				
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.634	- / -	- / -	4 / 2.634																				
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																				
Total		- / -	2 / 0.886	- / -	4 / 2.209	- / -	4 / 2.209	11 / 6.380	9 / 4.403	4 / 2.634	- / -	- / -	30 / 16.512																				
Installation Schedule																																	
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	-	-	-	-	2	-	-	-	-	-	-	-	4	6	5	-	-	5	4	-	-	4	-	-	-	-	-	-	-	-	30		
Out	-	-	-	-	2	-	-	-	-	-	-	-	4	6	5	-	-	5	4	-	-	4	-	-	-	-	-	-	-	-	30		
Method of Implementation (Organic): Not Installed - ECP-1153 A-kits																														Installation Quantity: 30			
Method of Implementation (Organic): Not Installed - A-Kits Archive																														Installation Quantity: 216			

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)
Modification Item 1 of 1: USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)		
Installation Information		
Method of Implementation (Organic): Not Installed - ECP-1153 JHMCS Lower Helmet VI		Installation Quantity: 40
Method of Implementation (Organic): Not Installed - ECP-1153 - JHMCS Canopy Mod (AYC-1361)		Installation Quantity: 30
Method of Implementation (Organic): Not Installed - ECP-1153 - B kits		Installation Quantity: 25
Method of Implementation (Organic): Not Installed - ECP-1153 USMC Displays- MDGU		Installation Quantity: 10
Method of Implementation (Organic): Not Installed - B-Kits Archive		Installation Quantity: 1350
Method of Implementation (Organic): Not Installed - Prior Year Installation Cost		Installation Quantity: 236
Footnotes: ⁽¹⁸⁾ All installs were in Prior Years (PY). See PY install cost element for cost. ⁽¹⁹⁾ Installation of 2 validation/verification kits procured in prior years delayed from FY13 to FY14 due to longer than anticipated non-recurring engineering and resultant delay in delivery of kits. Quantity of 10 C+ kits installed in FY17, 9 C+ kits installed in FY18, and 4 C+ kits installed in FY19, with no procurement cost are a result of Headquarters Marine Corps decision to harvest parts from A++ aircraft that are retiring in those years. ⁽²⁰⁾ All installs were in PY. See PY Install cost element for cost. ⁽²¹⁾ Prior year install cost includes \$22.51M for quantity of 61 ECP 583 and Litening kits, and \$21.647M for ECP 583R2 A++ kits procured in prior years. These installs are complete and no schedule is required. ⁽²²⁾ Install Equipment N/R increases in FY15 for flight test of the C+ configuration.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0525 / F-18 Series		Modification Number / Title: 6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)			

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>)	284.168	11.670	0.168	8.031	-	8.031	4.380	-	-	-	-	308.417
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	284.168	11.670	0.168	8.031	-	8.031	4.380	-	-	-	-	308.417
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	284.168	11.670	0.168	8.031	-	8.031	4.380	-	-	-	-	308.417
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Joint Helmet-Mounted Cueing System (JHMCS) is a multi-service system that provides United States Air Force (USAF), United States Navy (USN), and United States Marine Corps aircraft the capability to cue and verify on-board weapons and weapons sensors to a specific azimuth/elevation determined by the pilot's head position and to confirm sensor line-of-sight. The intent is to reduce tasks required of aircrews, verify seeker/sensor position, and enhance weapons employment opportunities. The JHMCS incorporates an ejection-compatible helmet-mounted display system, with capability to cue and verify cueing of high off-axis sensors and weapons, on USAF and USN single seat and two seat fighter aircraft. JHMCS night vision cueing and display will provide the ability to cue and display weapons and sensors at night through the initial fielding of a narrow field of view night vision device that integrates the JHMCS cueing and display symbology.

Current Active Modifications:

C/D A-Kit; E/F A-Kit; 25X System Configuration Set (SCS); C/D B-Kits; 27C SCS

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

F/A-18E/F JHMCS completed developmental testing in August 2001. Operational evaluation was completed in April 2002. F/A-18E/F retrofit kit procurement began in FY 2004 and installed in FY 2005 starting with Lot 23 aircraft. JHMCS procurement for F/A-18C/D was approved at a milestone decision in January 2004. Aft seat development completed in FY 2006. The first F/A-18C/D JHMCS retrofit kits were procured in FY 2005 and installed in FY 2006.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)					
Models of Systems Affected: F/A-18 and EA-18G				Modification Type: CAPABILITY IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)													
A Kits													
Recurring													
1.1.1) C/D A-Kit - NonOrganic ⁽²³⁾	366 / 33.621	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	366 / 33.621	
1.1.2) E/F A-Kit - NonOrganic ⁽²⁴⁾	177 / 16.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	177 / 16.383	
1.1.3) A-Kits Archive - Organic	1,046 / 4.940	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,046 / 4.940	
Subtotal: Recurring	- / 54.944	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 54.944	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 18.818	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.818	
Subtotal: Non-Recurring	- / 18.818	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.818	
B Kits													
Recurring													
2.1.1) C/D B-Kit - Organic	2,619 / 80.103	18 / 0.400	- / -	25 / 0.530	- / -	25 / 0.530	- / -	- / -	- / -	- / -	- / -	2,662 / 81.033	
2.1.2) 25X SCS - Organic	- / 3.636	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.636	
2.1.3) 27C SCS - Organic	- / -	- / 0.119	- / -	- / 0.022	- / -	- / 0.022	- / -	- / -	- / -	- / -	- / -	- / 0.141	
2.1.4) B-Kits Archive - Organic	804 / 23.894	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	804 / 23.894	
Subtotal: Recurring	- / 107.633	- / 0.519	- / -	- / 0.552	- / -	- / 0.552	- / -	- / -	- / -	- / -	- / -	- / 108.704	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 2.132	- / 0.121	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.253	
Subtotal: Non-Recurring	- / 2.132	- / 0.121	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.253	
Subtotal: Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)	5,012 / 183.527	18 / 0.640	- / -	25 / 0.552	- / -	25 / 0.552	- / -	- / -	- / -	- / -	- / -	5,055 / 184.719	
Subtotal: Procurement, All Modification Items	- / 183.527	- / 0.640	- / -	- / 0.552	- / -	- / 0.552	- / -	- / -	- / -	- / -	- / -	- / 184.719	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.794	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.794	
3.2) Data	- / 6.365	- / 0.034	- / -	- / 0.005	- / -	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / 6.404	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	174 / 19.512	- / -	- / -	- / 0.168	- / -	- / 0.168	- / -	- / -	- / -	- / -	- / -	174 / 19.680	
3.5) ILS	- / 22.487	- / 0.650	- / -	- / 0.147	- / -	- / 0.147	- / 0.170	- / -	- / -	- / -	- / -	- / 23.454	
3.6) Other Support ⁽²⁵⁾	- / 11.769	- / 1.954	- / -	- / 0.325	- / -	- / 0.325	- / 0.169	- / -	- / -	- / -	- / -	- / 14.217	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)			
Models of Systems Affected: F/A-18 and EA-18G				Modification Type: CAPABILITY IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 60.927	- / 2.638	- / -	- / 0.645	- / -	- / 0.645	- / 0.339	- / -	- / -	- / -	- / -	- / 64.549	
Installation													
Modification Item 1 of 1: Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)	- / 39.714	- / 8.392	- / 0.168	- / 6.834	- / -	- / 6.834	- / 4.041	- / -	- / -	- / -	- / -	- / 59.149	
<i>Subtotal: Installation</i>	- / 39.714	- / 8.392	- / 0.168	- / 6.834	- / -	- / 6.834	- / 4.041	- / -	- / -	- / -	- / -	- / 59.149	
Total													
Total Cost (Procurement + Support + Installation)	284.168	11.670	0.168	8.031	-	8.031	4.380	-	-	-	-	308.417	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)											
Modification Item 1 of 1: Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)																															
Manufacturer Information																															
Manufacturer Name: Boeing - C/D A-kits															Manufacturer Location: St Louis, MO																
Administrative Leadtime (in Months): 15															Production Leadtime (in Months): 16																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Manufacturer Name: Boeing - E/F A-kits															Manufacturer Location: St Louis, MO																
Administrative Leadtime (in Months): 14															Production Leadtime (in Months): 14																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Navy Field Modification Team:: Installation Name: C/D A-Kit																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		270 / 28.084	41 / 6.554	2 / 0.112	40 / 3.500	- / 0.000	40 / 3.500	13 / 1.148	- / -	- / -	- / -	- / -	366 / 39.398																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		270 / 28.084	41 / 6.554	2 / 0.112	40 / 3.500	- / -	40 / 3.500	13 / 1.148	- / -	- / -	- / -	- / -	366 / 39.398																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	270	-	-	20	21	2	-	-	-	20	20	-	-	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	366
Out	260	-	-	20	31	2	-	-	-	20	20	-	-	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	366

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)

Modification Item 1 of 1: Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: E/F A-Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	106 / 11.630	14 / 1.838	1 / 0.056	33 / 3.334	- / 0.000	33 / 3.334	23 / 2.893	- / -	- / -	- / -	- / -	177 / 19.751
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	106 / 11.630	14 / 1.838	1 / 0.056	33 / 3.334	- / -	33 / 3.334	23 / 2.893	- / -	- / -	- / -	- / -	177 / 19.751

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	106	-	-	10	4	1	-	-	-	8	8	8	9	6	6	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	177
Out	104	2	-	10	4	1	-	-	-	8	8	8	9	6	6	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	177

Method of Implementation (Organic): Not Installed - A-Kits Archive

Installation Quantity: 1046

Method of Implementation (Organic): Organic - C/D B-Kit

Installation Quantity: 2662

Method of Implementation (Organic): Not Installed - B-Kits Archive

Installation Quantity: 804

Footnotes:

⁽²³⁾ A) Install funding for kits procured in FY12 was cut per Issue #21070 "Delay F/A-18E/F Flight Plan Investments". Some installs were delayed from FY15 to FY16. B) Install costs vary due to significant differences in work required by type/model/series and location performed. Labor rates vary depending upon whether work is performed Continental United States (CONUS) or Outside Continental United States (OCONUS), and by commercial or organic depots.

⁽²⁴⁾ A) Install funding for kits procured in FY12 was cut per Issue #21070 "Delay F/A-18E/F Flight Plan Investments". Some installs were delayed from FY15 to FY16. B) Install costs vary due to significant differences in work required by Type Model Series and location performed. Labor rates vary depending upon whether work is performed CONUS or OCONUS, and by Commercial or Organic depots.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 6 / Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)

(25) Due to installs being performed in FY14, FY16 and FY17, Other Support funding is also required in those years.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)			
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>	828.194	51.521	6.180	8.854	8.000	16.854	0.399	2.577	0.647	-	3.700	910.072
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	828.194	51.521	6.180	8.854	8.000	16.854	0.399	2.577	0.647	-	3.700	910.072
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	828.194	51.521	6.180	8.854	8.000	16.854	0.399	2.577	0.647	-	3.700	910.072
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: The Advanced Targeting Forward Looking Infrared (ATFLIR) (Operational Requirements Document# 700-88-06) will provide the F/A-18A+/C/D/E/F with an enhanced capability to detect, track and attack air and ground targets. Laser guided and global positioning system standoff weapon systems with greater standoff ranges require improved performance over second generation targeting pods. The ATFLIR currently utilizes the third generation of forward-looking infrared technology and provides a quantum leap in operational effectiveness to fully support the standoff precision strike mission. This Operational, Safety and Improvement Program (OSIP) is used to perform efforts to address parts obsolescence and to examine and incorporate potential ATFLIR-related capability upgrades associated with network centric operations, interoperability requirements, and upgraded targeting capability requirements. Current Active Modifications: ATFLIR Rover Data Link (ARDL) A6 kits; ARDL (A3, A4, A8, A9) kits; Infrared (IR) Marker; ATFLIR Electro-Optical Sensing Unit (EOSU) ECP10; ECP-0035 Daylight Operations Future Modifications: Software upgrades (29C, H14, H16) DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: ATFLIR development began in FY1997. Operational Evaluation (OPEVAL) testing was completed in June 2003 and the OPEVAL report was issued 4 September 2003. Full rate production approval was given in October 2003. Navigational forward looking IR capability was removed from the system in December 2003.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)					
Models of Systems Affected: F/A-18A+/C/D/E/F				Modification Type: CAPABILITY IMPROVEMENTS				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)													
A Kits													
Recurring													
1.1.1) ARDL A6 Kits - NonOrganic	54 / 0.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 0.875	
1.1.2) ARDL (A3, A4, A8, A9) Kits - NonOrganic ⁽²⁶⁾	1,423 / 10.672	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,423 / 10.672	
Subtotal: Recurring	- / 11.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.547	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 6.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.030	
Subtotal: Non-Recurring	- / 6.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.030	
B Kits													
Recurring													
2.1.1) IR Marker - OCO - Organic	227 / 40.204	104 / 23.603	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	331 / 63.807	
2.1.2) ATFLIR EOSU ECP10 - RTOC - NonOrganic	105 / 5.642	110 / 4.935	111 / 4.601	90 / 3.487	- / -	90 / 3.487	- / -	- / -	- / -	- / -	- / -	416 / 18.665	
2.1.3) ECP-0035 Daylight Ops - OCO - Organic	- / 3.524	110 / 11.000	- / -	- / -	60 / 8.000	60 / 8.000	- / -	- / -	- / -	- / -	35 / 3.700	205 / 26.224	
2.1.4) 29C SCS - Organic	- / -	- / -	- / -	- / 1.700	- / -	- / 1.700	- / -	- / -	- / -	- / -	- / -	- / 1.700	
2.1.5) H14 SCS - Organic	- / -	- / -	- / -	- / 1.800	- / -	- / 1.800	- / -	- / -	- / -	- / -	- / -	- / 1.800	
2.1.6) H16 SCS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.798	- / 0.327	- / -	- / -	- / 2.125	
2.1.7) B-Kits Archive - Organic	998 / 424.939	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	998 / 424.939	
2.1.8) Prior Year Installs - Organic	493 / 3.012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	493 / 3.012	
Subtotal: Recurring	- / 477.321	- / 39.538	- / 4.601	- / 6.987	- / 8.000	- / 14.987	- / -	- / 1.798	- / 0.327	- / -	- / 3.700	- / 542.272	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 76.059	- / 4.345	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 80.404	
Subtotal: Non-Recurring	- / 76.059	- / 4.345	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 80.404	
Subtotal: Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)	3,300 / 570.957	324 / 43.883	111 / 4.601	90 / 6.987	60 / 8.000	150 / 14.987	- / -	- / 1.798	- / 0.327	- / -	35 / 3.700	3,920 / 640.253	
Subtotal: Procurement, All Modification Items	- / 570.957	- / 43.883	- / 4.601	- / 6.987	- / 8.000	- / 14.987	- / -	- / 1.798	- / 0.327	- / -	- / 3.700	- / 640.253	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 94.710	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 94.710	
3.2) Data	- / 8.462	- / -	- / -	- / 0.287	- / -	- / 0.287	- / -	- / -	- / 0.014	- / -	- / -	- / 8.763	
3.3) Training Equipment	- / 4.315	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.315	
3.4) Support Equipment	- / 66.077	- / 5.112	- / -	- / 0.141	- / -	- / 0.141	- / -	- / -	- / -	- / -	- / -	- / 71.330	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)					
Models of Systems Affected: F/A-18A+/C/D/E/F				Modification Type: CAPABILITY IMPROVEMENTS				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.5) ILS	- / 71.930	- / 0.702	- / 0.308	- / 0.314	- / -	- / 0.314	- / 0.110	- / 0.112	- / 0.064	- / -	- / -	- / 73.540	
3.6) Other Support	- / 7.978	- / 1.135	- / 0.304	- / 0.309	- / -	- / 0.309	- / 0.111	- / 0.116	- / 0.043	- / -	- / -	- / 9.996	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 253.472	- / 6.949	- / 0.612	- / 1.051	- / -	- / 1.051	- / 0.221	- / 0.228	- / 0.121	- / -	- / -	- / 262.654	
Installation													
Modification Item 1 of 1: Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)	- / 3.765	- / 0.689	- / 0.967	- / 0.816	- / -	- / 0.816	- / 0.178	- / 0.551	- / 0.199	- / -	- / -	- / 7.165	
Subtotal: Installation	- / 3.765	- / 0.689	- / 0.967	- / 0.816	- / -	- / 0.816	- / 0.178	- / 0.551	- / 0.199	- / -	- / -	- / 7.165	
Total													
Total Cost (Procurement + Support + Installation)	828.194	51.521	6.180	8.854	8.000	16.854	0.399	2.577	0.647	-	3.700	910.072	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)

Modification Item 1 of 1: Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)

Manufacturer Information

Manufacturer Name: Raytheon - ATFLIR EOSU ECP 10				Manufacturer Location: McKinney, TX			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 5			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	May 2014	May 2015	May 2016				

Manufacturer Name: Boeing - ARDL A6 Kits				Manufacturer Location: St Louis, MO			
Administrative Leadtime (in Months): 15				Production Leadtime (in Months): 10			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Manufacturer Name: Boeing - ARDL (A3, A4, A8, A9)				Manufacturer Location: St Louis, MO			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 6			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ARDL A6 Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	54 / 0.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 0.205
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	54 / 0.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 0.205

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)									

Modification Item 1 of 1: Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ARDL A6 Kits

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	30	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
Out	-	-	-	-	-	30	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54

Method of Implementation: Navy Field Modification Team:: Installation Name: ARDL (A3, A4, A8, A9) Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	797 / 2.790	100 / 0.350	120 / 0.420	150 / 0.534	- / 0.000	150 / 0.534	50 / 0.178	152 / 0.551	54 / 0.199	- / -	- / -	1,423 / 5.022
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	797 / 2.790	100 / 0.350	120 / 0.420	150 / 0.534	- / -	150 / 0.534	50 / 0.178	152 / 0.551	54 / 0.199	- / -	- / -	1,423 / 5.022

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	797	25	25	25	25	30	30	30	30	37	37	38	38	12	12	13	13	38	38	38	38	27	27	-	-	-	-	-	-	-	1,423
Out	797	25	25	25	25	30	30	30	30	37	37	38	38	12	12	13	13	38	38	38	38	27	27	-	-	-	-	-	-	-	1,423

Method of Implementation: Navy During SDLM:: Installation Name: ATFLIR EOSU ECP10 - RTOC

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	105 / 0.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	105 / 0.975

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 7 / Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)

Modification Item 1 of 1: Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)

Installation Information

Method of Implementation: Navy During SDLM:: Installation Name: ATFLIR EOSU ECP10 - RTOC

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	110 / 0.339	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 0.339
FY 2015	- / -	- / -	111 / 0.342	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	111 / 0.342
FY 2016	- / -	- / -	- / -	90 / 0.282	- / -	90 / 0.282	- / -	- / -	- / -	- / -	- / -	90 / 0.282
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	105 / 0.975	110 / 0.339	111 / 0.342	90 / 0.282	- / -	90 / 0.282	- / -	- / -	- / -	- / -	- / -	416 / 1.938

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	105	-	-	55	55	-	-	56	55	-	-	45	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	416
Out	95	-	-	65	55	-	-	56	55	-	-	45	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	416

Method of Implementation (Organic): Organic - IR Marker - OCO **Installation Quantity:** 331

Method of Implementation (Organic): Organic - ECP-0035 Daylight Ops - OCO **Installation Quantity:** 205

Method of Implementation (Organic): Not Installed - B-Kits Archive **Installation Quantity:** 998

Method of Implementation (Organic): Not Installed - Prior Year Installs **Installation Quantity:** 493

Footnotes:

(26) The installation of ARDL (A3, A4, A8, A9) kits has been delayed due to aircraft availability based on the requirements needed to train and prepare for deployment.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02)			
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>	144.389	19.901	23.078	31.039	-	31.039	28.404	22.843	35.311	39.770	253.691	598.426
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	144.389	19.901	23.078	31.039	-	31.039	28.404	22.843	35.311	39.770	253.691	598.426
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	144.389	19.901	23.078	31.039	-	31.039	28.404	22.843	35.311	39.770	253.691	598.426
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: F/A-18C-F and EA-18G training funds will be used to meet current fleet readiness squadron and fleet training and readiness requirements. These requirements mandate that the training systems be concurrent with the aircraft hardware, software, and capabilities. New components and software will be procured to prevent obsolescence of the various trainers throughout the service life of the platform. Funding will also be used to update courseware, computer based training, and maintenance trainers as Engineering Change Proposals (ECPs) are performed on the aircraft. Funds will be used to increase the simulation fidelity of any aircraft driven changes, implement these changes across a distributed architecture, and synthesize these changes into the simulated threat environment.												
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Trainers were procured with APN-1 funding and are modified with ECPs as required.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02)			
Models of Systems Affected: F/A-18C/D/E/F and EA-18G				Modification Type: TRAINERS UPGRADE				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: N/A</i>													
<i>Subtotal: N/A</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment ⁽²⁷⁾	- / 143.551	- / 19.439	- / 22.006	- / 29.771	- / -	- / 29.771	- / 27.113	- / 21.529	- / 33.973	- / 38.408	- / 251.451	- / 587.241	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS ⁽²⁸⁾	- / 0.424	- / 0.244	- / 0.394	- / 0.401	- / -	- / 0.401	- / 0.408	- / 0.416	- / 0.423	- / 0.431	- / 0.439	- / 3.580	
3.6) Other Support ⁽²⁹⁾	- / 0.414	- / 0.218	- / 0.678	- / 0.867	- / -	- / 0.867	- / 0.883	- / 0.898	- / 0.915	- / 0.931	- / 1.801	- / 7.605	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 144.389	- / 19.901	- / 23.078	- / 31.039	- / -	- / 31.039	- / 28.404	- / 22.843	- / 35.311	- / 39.770	- / 253.691	- / 598.426	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	144.389	19.901	23.078	31.039	-	31.039	28.404	22.843	35.311	39.770	253.691	598.426	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02)	
Modification Item 1 of 1: N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation					Installation Quantity: 0		
Footnotes: ⁽²⁷⁾ OSIP increases each year in FY15 and FY16 due to the roll-in of regular upgrades to F/A-18E/F and EA-18G courseware and training devices, to include aircrew (tactical operational flight trainers and low cost trainers) and maintenance (integrated visual environments and maintenance trainer sets). These upgrades were previously funded with APN-1. Aircrew devices are upgraded on a yearly cycle and the maintenance devices on a two to three year cycle. FY15 increase is due to integration of H12 phase 2 into the E/F and G aircrew trainers. FY16 increase is due to integration of H14 phase 1 into the E/F and G aircrew trainers and H12 into the E/F and G maintenance trainers. ⁽²⁸⁾ ILS increases in FY16 due to increased trainers modifications. ⁽²⁹⁾ Other Support increases in FY16 due to increased trainers modifications.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)		
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>)	407.148	108.616	101.782	171.468	-	171.468	155.195	142.785	153.317	221.824	321.553	1,783.688
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	407.148	108.616	101.782	171.468	-	171.468	155.195	142.785	153.317	221.824	321.553	1,783.688
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	407.148	108.616	101.782	171.468	-	171.468	155.195	142.785	153.317	221.824	321.553	1,783.688
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Corrections to discrepancies discovered during testing and development can sometimes be incorporated into production aircraft, effective with the physical configuration audit which establishes the product baseline of the aircraft. However, when this cannot be done due to time constraints, retrofit of the changes into already delivered aircraft requires funding through the Aircraft Modification Program. Corrections to the following items/conditions are required to meet Commander, Naval Air Force directed transitions as promulgated in the current Master Aviation Plan. This Operational, Safety and Improvement Program (OSIP) will correct operational discrepancies discovered during testing and evaluations, sustainment activities, engineering analysis, standard depot level evaluations, and during normal fleet operations. This OSIP provides resources to correct such issues via Engineering Change Proposal (ECP) and other applicable procurement efforts by modifying, improving, and restoring aircraft structural safety and reliability to designed/required life limits. Modifications are to include: Air Frame Structural Upgrades, such as Flight Controls Surfaces, Forward Fuselage, Aft Fuselage, Inner/Outer Wing, Critical Structures; and Aircraft Subsystem Upgrades, such as Electrical, Hydraulic, Environmental Control Systems (ECS), Fuel, Launch & Recovery, Critical Structures, Mechanical, Secondary Power, Fire Suppression Systems and other sustainment activities. Current Active Modifications: ECP-XX12 / FT50 Teardown Bulkhead Cracking ECP-6213R2 / TEF Redesign ECP-6240R1 / FT50 18K Main Landing Gear (MLG) Sidebrace Fitting Failure ECP-6416/C1 / ECS Anti-Ice Duct Bracket Redesign ECP-XX45 / FT50 Structural Related Issues ECP-XX47 / FT78 Flight Control Failures ECP-XX48 / Fuel Tank Wiring Retrofit Improvements ECP-XX50 F/A-18E/F Fuel Related Upgrade Issues ECP-XX51 / F/A-18E/F ECS Subsystem Upgrade Issues ECP-XX52 / F/A-18E/F Subsystem Retrofit Upgrade Issues ECP-XX53 / F/A-18E/F Structure Stress Corrosion Cracking Issues ECP-XX55: F/A-18 On Board Oxygen Generating System (OBOGS) Catalyst Integration Modline ECP-6227C2 Inlet Nacelle Bleed Plate Crack ECP-XX60: Navy Aircrew Ejection Seat (NACES) Retrofit Upgrades ECP-6430 Enhancement of the Aft Pivot Support Fitting ECP-XX33 / Hydraulics Components Improvement												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ECP-1137NI Redesign of Fire Extinguisher Temp. Compensating Pressure Switch (TCPS) ECP-6234C1 Horizontal Stabilator/Fuselage Rubbing - Updated Retrofit Approach ECP-6394R1 F/A-18E/F Horizontal Stabilator Gang Channel Corrosion Provisions ECP-6438 Fuel Panel Dump Switch cap change ECP-6440 Main Landing Gear Wheel Rotor Drive KeyWays Retention ECP-590 CRU-123 Solid State Oxygen Monitor (SSOM) ECP-5073 Retrofit of the Trailing Edge Flap Fastener Hole Cold Working Future Modifications: ECP-6018 Tank 3 Bladder, Floor Foam and Backing Board, increase usable fuel and decrease trapped/unusable fuel in Tank #3 by revising the shape of the Tank Floor Foam, Backing Board & Fuel Cell ECP-6088 Aft Fuselage Outboard Former Fwd Flange @ Y645, Repair former by adding a doubler to bring it back to original specification. ECP-6145 Main Landing Gear (MLG) Outboard Tire Door Clevis, Redesign clevis to eliminate cracking imparted during gear cycling ECP-6199 Aft Fan Shutoff Valve, Modify the Aft Fan with an Improved Shut-Off Valve ECP-6313 AN/APN-194 (Radar Altimeter) Mounting Tray Modification Step 2, Drill hole in door to allow escape of moisture accumulation in order to prevent corrosion of the antenna ECP-6229 FT50 18K Fuselage Outboard Former at Y645 Failure, redesign the Fuselage Outboard Former Y645 resulting from cracks that were discovered during inspections conducted following the third lifetime of testing on the FT50 fatigue test article ECP-6255 ECS Ejector Cracks, Modify ECS ejector to prevent cracks from being induced ECP-6209 ECS Cooling Duct Grounding Strap, Add a grounding strap to prevent accidental static discharge to an aircraft maintainer ECP-6308 Warm Air Duct Deflections retrofit modline, Correction of Warm Air Duct Deflections ECP-6075 Hornet Feather (Vane) Wear pad Retention System Redesign, redesign the Hornet Feather Wear pad Retention System. The pads have caused excessive wear of the engines afterburner ring on flight test a/c ECP-6228 Throttle Electronics Module Seal Improvement, the throttle module sealing improvement adds various seals to the throttle electronics module to permanently prevent water intrusion into the box ECP-6238 Inadequate Clearance between Auxiliary Power Unit (APU) Surge Control Valve (SCV) and Y568 Support, Redesign the 74A328283 ECS Floor Support so that adequate clearance exists between the APU SCV and the ECS Floor Support to meet specification clearance requirements ECP-6260 FT50 18K Y491 Bulkhead Redesign, Cracks were found on the Y491 Bulkhead during the FT-50 Teardown. The cracks were located at the access hole at Z100 and the keel web attachment. ECP-6264 FT50 Y436 BULKHEAD LIFE LIMIT, During tear down of the FT-50 test article cracks were found on the Y436 Center Bulkhead (74A325203 -2005) at the attachment of the dorsal deck stiffener on both the left hand (LH) and right hand (RH) side. Test Correlation analysis indicates the Safe Life is 3400 safe flight hour (SFH). ECP-6269 FT76 AFT Windshield Attach Bolt Life Limit, Failure analysis performed on a crack on the LH AFT Windshield Attach Bolt has determined that this bolt does not meet full life requirements ECP-6280 MLG Wheel Well Drainage, Water retention in the recesses of the trailing edge casting common to the L/RHS Strut Doors ECP-6285C1 FT77 Lower Wing Skin Splice Fitting Life Limit, Failure analysis of a drain hole crack in the Wing Lower Splice Fitting discovered during teardown of the FT77 Test Article, has determined that it does not meet the 6000 hour specification requirement ECP-6286 Low Speed Loss of Normal Brakes with Anti-Skid On, The aircraft specification requires that the brake control system shall provide a means of controlling brake pressure on all landing surfaces on which the aircraft is designed to operate. ECP-6293 FT50 18K Access Panel Edge Stiffener Redesign, Cracks were found on the door edge stiffener at Y524 during the FT-50 Teardown. Test Correlation analysis indicates the Safe Life is 4500 SFH ECP-6294 FT77 Trailing Edge Flap (TEF) Actuator Rib Life Limit, Failure analysis of a fastener hole crack in the TEF Actuator Fitting discovered during teardown of the FT77 Test Article, has determined that it does not meet the 6000 hour service life ECP-6211 Inadequate Clearance Between APU SCV and Structure, Correct chafing condition between aircraft structural material and the APU SCV to prevent damage to the aircraft structure ECP-6287 FT50 Y591 BULKHEAD AT SIDE LONGERON LIFE LIMIT, Cracks were found on the Y591 Bulkhead (74A328312) during the FT-50 Teardown. The Y591 Bulkhead is a Maintenance Critical part. ECP-6301 DOORs 37, 307, AND 124 DRAINAGE ISSUES, Modification to correct door failures ECP-6172 Nacelle Outboard Bleed Drainage - To prevent water entrapment in the area of the Nacelle structure ECP-6187 Outer Wing Rib Cracks - To incorporate a full-life rib into Low Rate Initial Production 1, 2 and 3, and Full Rate Production-1 aircraft ECP-6305R1 FT50 18K Fuel Floor Longer on at Y436 Redesign, redesign the Fuel Floor Longer on resulting from cracks that were discovered during inspections conducted following the third lifetime of testing on the FT50 fatigue test article		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ECP-6311 FT77 Inner Wing Kick Rib, to correct cracks discovered on the FT77 Test Article Analysis initially indicated a Safe life of 4700 SFH in the Inner Wing Kick Rib ECP-6336 Secondary Regulator Bay Vent Line Modification, New vent line routing to avoid possible overheating condition in the center keel area ECP-6337 Vertical Tail Rudder Hinge Fairing Fastener Improvements, Design change to the fasteners mating the fairings to the intermediate support/stiffening brackets. This change involves changing the 5/32" diameter TiCb rivets to 3/16" diameter steel rivets ECP-6339 Incorporation of Government Furnished Equipment (GFE) Improved Solid State Oxygen Monitoring, Original Equipment Manufacturer support for incorporation of GFE Improved Solid State Oxygen Monitoring System CRU-99/P ECP-6341 FT77/78 Aileron Retrofit, Failure analysis of a drain hole crack in the aileron, discovered during teardown of the FT78 has determined the safe life is 3400 hours which does not meet requirements within design specification document 565. ECP-6345 F/A-18 E/F Missile Rib Corrosion Prevention Improvements, Corrosion has been found on the Outer Wing Panel Missile Rib. This ECP will allow coating and sealing configuration changes to improve corrosion protection on the missile rib and surrounding structure. ECP-6230 ALE-47 Structure Missing Drain Path, adds a drain hole in the 74A328744 skin beneath the L/RHS ALE 47 Chaff Dispenser Bucket to prevent collection or entrapment of unwanted fluids preventing corrosion condition ECP-6349 Dorsal Cover 26 Interference with Climb Vent, modifies the aircraft by adding electrical bonding to subsystem components and nutplate installation sealing in the CTR/AFT Fuselage, additionally, modifies the aircraft by adding electrical bonding to the forward fuselage equipment shelf ECP-6358 Canopy Sill Longerons at CY326.5 Inboard Flange Radius Safe Life Limit, Modification to beef up the canopy sill Longerons to prevent severing condition ECP-9425MB Re-Profiled and Modified Navy Aircrew Common Ejection Seat (NACES) Backplate, Modification to the NACES backplate prevent cracks ECP-6300 Incorporation of EA-18G Operational Flight Program (OFP) Ver.38, to provide Integrated Logistics Support elements in release of the EA-18G Flight Control Computer OFP software update (V38) for F/A-18E/F ECP-XX54 F/A-18E/F Outer Wing Panel Inboard Aileron Hinge, to replace a life limited hinge with a full live hinge ECP-6362 F/A-18E/F/G Corrosion Enhancements, Inadequate water drainage provisions exist in the Outboard Leading Edge Flap; this ECP will provide the additional corrosion protection required to correct this condition. ECP-6363 Fwd Fuslg Substructure Mod due to RH Sideskin Non-Conformance, RH side skin was laid up with non-blueprint ply orientations for approximately 170 aircraft. Structural analysis shows the nonconforming skin still meets static and fatigue margins, however seven substructure locations were identified as not meeting the contractually required 6000 hour fatigue life and require retrofit modification to restore this life. ECP-6364 Airframe Mounted Accessory Drive Oil Pressure Switch, to eliminate the wear characteristics resulting from the aircraft operating environment ECP-6370 F/A-18 Wind Tunnel Angle of Attack Transmitter, to improve supportability of the F/A-18E/F Angle of Attack Probe by providing enhanced testing on the Fleet Readiness Center - South West (FRC-SW) Wind Tunnel. ECP-6373 MLG Trunnion Bearing Rotation Redesign, to redesign the MLG Trunnion Bearing Installation in which a corrosion-resistant steel washer will be added under the Trunnion Bearing Nut ECP-6377 Fuselage Structure RH / Nose Landing Gear Door AFT Hinge Fitting Redesign, The Right-hand Nose Landing Gear Door AFT Hinge Fitting does not meet service life requirements this ECP will modify the hinge fitting design to meet full life requirements. ECP-6378 F/A-18 FT50 18K Y541 Former Stiffener at ECS Duct Attachment, Cracks was found on the Y541 Former at the stiffener at the ECS duct attach during the FT-50 Teardown. Test Correlation analysis indicates the Safe Life is 3000 SFH, the Y541 Former is considered a Fracture Critical part ECP-6379 F/A-18E/F Aileron Shroud Retrofit, The aileron shroud experienced a fatigue failure during fleet usage, this change incorporates improvements to assure fatigue life requirements are met ECP-9445MB F/A-18 Replacement of NACES Radio Beacon Actuator, To Incorporate a new and improved radio beacon signal in order to comply with new satellite requirements ECP-xxxxMB carbon monoxide (CO) Removal from On-Board Oxygen Generating Systems (OBOGS) to eliminate CO from F/A-18 OBOGS thereby eliminating the hypemic hypoxia threat ECP-xx56 F/A-18 E/F Analysis of Alternative (AOA) Probe Sensor Redesign Improvements, to incorporate new and improved AoA sensors. ECP-xx58 F/A-18 E/F Flight Test Loads Aircraft, to incorporate changes into to a new flight test loads aircraft. ECP-1086 F/A-18 E/F Modification Aircraft ECS Test Set, Incorporations to improve ECS Test Set ECP-6357 F/A-18 Corp of New GFE AN/URT/140 Beacon Set, Publication Updates to The AN/URT-140, emergency radio beacon in the NACES survival kit. ECP-6367 NACES Ejection Seat Improv. Publication Updates to NACES Ejection Seat Improvements under (ECP-9431MB) ECP-6385 F/A-18 E/F External Fuel Tank Test System (EFTTS) Support Equipment - To resolve obsolescence issues on the EFTTS Support Equipment. ECP-6388 F/A-18 E/F Outer Wing Water Drainage Provisions - To correct inadequate water drainage provisions which exist in multiple locations including the outer-wing electrical bay under Door 84. ECP-6394 F/A-18 E/F Horizontal Stabilator Gang Channel Corrosion - To correct an insufficient water drainage provisions in the Horizontal Stabs inboard bays. ECP-6401 F/A-18 E/F FT50 Canopy Sill Longerons @ Y270 Retrofit Redesign, redesign for the Canopy Sill Longerons @ Y270 associated with FT50.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ECP-6402 F/A-18 E/F FT50 Y204 Bulkhead Retrofit Redesign, Retrofit efforts for the Y204 Bulkhead associated with FT50. ECP-6403 F/A-18 E/F FT50 X13 Keel @ Z108 Floor Attach Retrofit Redesign, Retrofit efforts for the X13 Keel @ Z108 Floor Attach associated with FT50. ECP-6404 F/A-18 E/F FT50 Z90 Longeron @ Y233 Retrofit Redesign, Retrofit efforts for the Z90 Longeron @ Y233 associated with FT50. ECP-6405 F/A-18 E/F FT50 Z111 Longeron @ Y326 Retrofit Redesign, Retrofit efforts for the Z111 Longeron @ Y326 associated with FT50. ECP-6406 F/A-18 E/F FT50 Keel Lower Flange Retrofit Redesign, Retrofit efforts for the Keel Lower Flange associated with FT50. ECP-6407 F/A-18 E/F FT50 Leading Edge Extension (LEX) Closure Lower Flange Y318 Retrofit Redesign, Retrofit efforts for the LEX Closure Lower Flange Y318 associated with FT50. ECP 6408 F/A-18 E/F FT50 Y233 Bulkhead Z90 Floor Attachment Retrofit ECP-6409 F/A-18 E/F FT50 Inner-Wing Panel Skin off Retrofit, Retrofit efforts for the Inner-Wing Panel Skin off. ECP-6410 F/A-18 E/F FT50 Inner-Wing Spar 6 Lower Web Lug @ Inboard Closure Rib, Retrofit efforts for the Inner-Wing Spar 6 Lower Web Lug @ Inboard Closure Rib. ECP xx39: AFT Engine Mount Attach Fitting Full life retrofit of the AFT engine mount pin ECP xx46: Arresting Hook Failures - To correct fleet discovered arresting hook failures ECP-XX47: FT78 Flight Control Failures - To correct flight control failures discovered during FT78 ECP-XX48: Fuel Tank Wiring Retrofit Improvements - To incorporate a longer wire harness and install restraining clamp to eliminate wire breakage ECP-6399: F/A-18E/F Modification to reduce cabin pressure transients and associated avionics flow control valve failure indications ECP-6413: Enhanced NACES Seat Base and Back Cushions - To address Boeing impacts associated with the introduction of an enhanced seat cushion set via Martin Baker ECP MB9436 ECP-6424: Increase Drainage in Aileron Hinge Fairing - To increase drainage in the Aileron Hinge Fairing. The Fleet has provided reports of an aileron hinge fairing drainage issue and/or surface/gang channel corrosion problem under the fairing. The drainage issue with the wing in the folded position is exacerbated due to the sealing of the fairing ECP-xx57: F/A-18 E/F Control Surface Free Play Inspections and Wear ECP-xx59: F/A-18 E/F OBOGS Catalyst Integration Modline ECP-6438: Fuel Panel Dump Switch Cap Change ECP-6440: Wheel Drive Key Redesign ECP-XX61: Fuselage Aft Pivot Fitting ECP-1049NI: Fuel Pressurization System Check Valve Failure ECP 6451 Conversion of F/A-18C/D windshield assembly to F/A-18E/F and EA-18G ECP 6453 Flight Control Computer Operational Flight Program Version 39.1 ECP 6454 Elimination of Conductive Paint on Flight Control Surfaces ECP-5069: FADEC Cooling Line and Generator Cable Chafing Improvement ECP-5061C2: FCC Circuit Card Assy (CCA) Technology Refresh SE Impacts ECP-6462 Flight Control Computer Operational Flight Program Version 40 DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Each change has been or will be tested prior to installation in the F/A-18E/F and EA-18G.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)				
Models of Systems Affected: F/A-18 E/F & EA-18G			Modification Type: SAFETY /RELIABILITY/ IMPROVEMENT					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)												
A Kits												
Recurring												
1.1.1) ECP-XX12 FT50 Teardown Bulkhead Cracking - Organic	- / -	- / -	- / -	72 / 0.927	- / -	72 / 0.927	72 / 0.944	72 / 0.961	72 / 0.978	37 / 0.512	- / -	325 / 4.322
1.1.2) ECP-6213R2 / TEF Redesign - Organic	50 / 39.908	48 / 37.339	30 / 23.757	95 / 76.584	- / -	95 / 76.584	60 / 49.240	46 / 38.430	67 / 56.982	74 / 64.068	70 / 61.696	540 / 448.004
1.1.3) ECP-6240R1 / FT50 18K MLG Sidebrace Fitting Failure - Organic	216 / 9.620	- / -	- / -	48 / 2.415	- / -	48 / 2.415	30 / 1.537	- / -	- / -	- / -	- / -	294 / 13.572
1.1.4) ECP-6416 Environment Control Sys Anti-Ice Duct Bracket - Organic	144 / 1.325	72 / 1.008	72 / 0.664	72 / 0.676	- / -	72 / 0.676	72 / 0.688	38 / 0.370	- / -	- / -	- / -	470 / 4.731
1.1.5) ECP-XX45 / FT50 Structural Related Issues - Organic	- / -	- / -	- / -	72 / 5.937	- / -	72 / 5.937	72 / 6.044	72 / 6.153	72 / 6.263	37 / 3.277	- / -	325 / 27.674
1.1.6) ECP-XX47 / FT78 Flight Control Failures - Organic	- / -	- / -	- / -	72 / 4.195	- / -	72 / 4.195	72 / 4.271	72 / 4.347	72 / 4.426	37 / 2.315	- / -	325 / 19.554
1.1.7) ECP-XX48 / Fuel Tank Wiring Retrofit Improvements - Organic	- / -	- / -	- / -	72 / 0.420	- / -	72 / 0.420	72 / 0.428	72 / 0.435	72 / 0.443	181 / 1.134	- / -	469 / 2.860
1.1.8) ECP-XX50: F/A-18E/F Fuel Related Upgrade Issues - Organic	- / -	- / -	- / -	100 / 0.583	- / -	100 / 0.583	100 / 0.593	100 / 0.604	100 / 0.615	100 / 0.626	- / -	500 / 3.021
1.1.9) ECP-XX51 / F/A-18E/F ECS Subsystem Upgrade Issues - Organic	- / -	- / -	- / -	72 / 0.475	- / -	72 / 0.475	72 / 0.484	72 / 0.493	72 / 0.502	212 / 1.504	- / -	500 / 3.458
1.1.10) ECP-XX52 / F/A-18E/F Subsystem Retrofit Upgrade Issues - Organic	- / -	- / -	- / -	72 / 0.594	- / -	72 / 0.594	72 / 0.605	72 / 0.616	72 / 0.627	212 / 1.878	- / -	500 / 4.320
1.1.11) ECP-XX53 / F/A-18E/F Structure Stress Corrosion Cracking Issues - Organic	- / -	- / -	- / -	72 / 1.583	- / -	72 / 1.583	72 / 1.611	72 / 1.641	72 / 1.670	212 / 5.006	- / -	500 / 11.511
1.1.12) ECP-XX55: F/A-18 OBOGS Catalyst Integration Modline - Organic	- / -	- / -	- / -	72 / 0.079	- / -	72 / 0.079	72 / 0.080	72 / 0.082	72 / 0.084	212 / 0.250	- / -	500 / 0.575
1.1.13) ECP-6227C2 Inlet Nacelle Bleed Plate Crack - Organic	72 / 0.664	72 / 0.658	72 / 0.467	72 / 0.475	- / -	72 / 0.475	13 / 0.087	- / -	- / -	- / -	- / -	301 / 2.351
1.1.14) ECP-XX60: NACES Retrofit Upgrades - Organic	- / -	100 / 2.882	100 / 1.659	100 / 0.499	- / -	100 / 0.499	125 / 2.074	- / -	- / -	100 / 3.359	- / -	525 / 10.473
1.1.15) ECP-6430 Enhancement of the Aft Pivot Support Fitting - Organic	216 / 1.948	72 / 0.727	72 / 0.727	72 / 0.740	- / -	72 / 0.740	72 / 0.753	72 / 0.767	72 / 0.691	7 / 0.068	- / -	655 / 6.421
1.1.16) ECP-XX33 / Hydraulics Components Improvement - Organic	- / -	- / -	- / -	72 / 0.066	- / -	72 / 0.066	72 / 0.067	72 / 0.068	11 / 0.011	- / -	- / -	227 / 0.212
1.1.17) ECP-1137NI: Fire Extinguisher Temp Compensating Pressure Switch (TCPS) - Organic	- / -	10 / 0.033	10 / 0.034	10 / 0.034	- / -	10 / 0.034	- / -	- / -	- / -	- / -	- / -	30 / 0.101

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)				
Models of Systems Affected: F/A-18 E/F & EA-18G			Modification Type: SAFETY /RELIABILITY/ IMPROVEMENT					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
1.1.18) ECP-6234C1 Horizontal Stabilator/Fuselage Rubbing - Organic	- / -	35 / 0.700	36 / 0.733	36 / 0.746	- / -	36 / 0.746	36 / 0.760	36 / 0.773	36 / 0.787	43 / 0.957	- / -	258 / 5.456
1.1.19) ECP-6394R1: F/A-18E/F Horizontal Stab Gang Channel Corrosion Provisions - Organic	- / -	72 / 0.918	72 / 0.935	72 / 0.951	- / -	72 / 0.951	72 / 0.968	72 / 0.986	36 / 0.502	70 / 0.993	- / -	466 / 6.253
1.1.20) ECP-6438: : Fuel Panel Dump Switch cap change - Organic	- / -	635 / 0.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	635 / 0.004
1.1.21) ECP-6440 MLG Wheel Rotor Drive KeyWays Retention - Organic	- / -	136 / 0.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 0.092
1.1.22) ECP-590 CRU-123 SSOM - Organic	88 / 0.805	- / -	531 / 6.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	619 / 6.905
1.1.23) ECP-5073: Retrofit of the Trailing Edge Flap Fastener Hole Cold Working - Organic	- / -	- / -	- / -	31 / 0.321	- / -	31 / 0.321	38 / 0.401	- / -	- / -	- / -	- / -	69 / 0.722
1.1.24) Archived ECPs - Organic	18,031 / 134.979	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18,031 / 134.979
Subtotal: Recurring	- / 189.249	- / 44.361	- / 35.076	- / 98.300	- / -	- / 98.300	- / 71.635	- / 56.726	- / 74.581	- / 85.947	- / 61.696	- / 717.571
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 48.315	- / 10.192	- / 10.375	- / 10.562	- / -	- / 10.562	- / 10.752	- / 10.946	- / 11.143	- / 11.343	- / 23.095	- / 146.723
Subtotal: Non-Recurring	- / 48.315	- / 10.192	- / 10.375	- / 10.562	- / -	- / 10.562	- / 10.752	- / 10.946	- / 11.143	- / 11.343	- / 23.095	- / 146.723
B Kits												
Recurring												
2.1.1) Install Equip - Organic	312 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	312 / 0.060
2.1.2) ECP-6039 FT77 Outerwing Retrofit - Organic	624 / 0.033	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	624 / 0.033
2.1.3) ECP-6394R1 (F/A-18E/F Horiz Stab Gang Channel Corrosion - Organic ⁽³⁰⁾)	- / -	- / -	- / -	144 / 0.112	- / -	144 / 0.112	144 / 0.114	144 / 0.116	144 / 0.118	144 / 0.120	170 / 0.145	890 / 0.725
Subtotal: Recurring	- / 0.093	- / -	- / -	- / 0.112	- / -	- / 0.112	- / 0.114	- / 0.116	- / 0.118	- / 0.120	- / 0.145	- / 0.818
Subtotal: E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)	19,753 / 237.657	1,252 / 54.553	995 / 45.451	1,500 / 108.974	- / -	1,500 / 108.974	1,410 / 82.501	1,156 / 67.788	1,042 / 85.842	1,678 / 97.410	240 / 84.936	29,026 / 865.112
Subtotal: Procurement, All Modification Items	- / 237.657	- / 54.553	- / 45.451	- / 108.974	- / -	- / 108.974	- / 82.501	- / 67.788	- / 85.842	- / 97.410	- / 84.936	- / 865.112
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 2.737	- / 0.086	- / 0.062	- / 0.064	- / -	- / 0.064	- / 0.066	- / 0.068	- / 0.070	- / 0.071	- / -	- / 3.224
3.3) Training Equipment	- / 0.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.001
3.4) Support Equipment	- / 11.304	- / 0.430	- / 3.824	- / 3.647	- / -	- / 3.647	- / 2.723	- / 2.350	- / 2.162	- / 2.201	- / 4.481	- / 33.122
3.5) ILS ⁽³¹⁾	- / 61.910	- / 12.621	- / 17.533	- / 17.849	- / -	- / 17.849	- / 18.170	- / 18.497	- / 18.830	- / 19.169	- / 141.742	- / 326.321
3.6) Other Support ⁽³²⁾	- / 25.639	- / 17.942	- / 9.948	- / 10.127	- / -	- / 10.127	- / 10.309	- / 10.495	- / 10.684	- / 10.876	- / 54.380	- / 160.400

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)			
Models of Systems Affected: F/A-18 E/F & EA-18G				Modification Type: SAFETY /RELIABILITY/ IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.8) Installation Cost ⁽³³⁾	4,196 / 67.900	855 / 22.984	1,662 / 24.964	1,725 / 30.807	- / -	1,725 / 30.807	2,145 / 41.426	1,884 / 43.587	952 / 35.729	1,421 / 92.097	670 / 36.014	15,510 / 395.508	
<i>Subtotal: Support</i>	<i>- / 169.491</i>	<i>- / 54.063</i>	<i>- / 56.331</i>	<i>- / 62.494</i>	<i>- / -</i>	<i>- / 62.494</i>	<i>- / 72.694</i>	<i>- / 74.997</i>	<i>- / 67.475</i>	<i>- / 124.414</i>	<i>- / 236.617</i>	<i>- / 918.576</i>	
Installation													
<i>Subtotal: Installation</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	
Total													
Total Cost (Procurement + Support + Installation)	407.148	108.616	101.782	171.468	-	171.468	155.195	142.785	153.317	221.824	321.553	1,783.688	

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)	
Modification Item 1 of 1: E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - ECP-XX12 FT50 Teardown Bulkhead Cracking					Installation Quantity: 325		
Method of Implementation (Organic): Not Installed - ECP-6213R2 / TEF Redesign					Installation Quantity: 540		
Method of Implementation (Organic): Not Installed - ECP-6240R1 / FT50 18K MLG Sidebrace Fitting Failure					Installation Quantity: 294		
Method of Implementation (Organic): Not Installed - ECP-6416 Environment Control Sys Anti-Ice Duct Bracket					Installation Quantity: 470		
Method of Implementation (Organic): Not Installed - ECP-XX45 / FT50 Structural Related Issues					Installation Quantity: 325		
Method of Implementation (Organic): Not Installed - ECP-XX47 / FT78 Flight Control Failures					Installation Quantity: 325		
Method of Implementation (Organic): Not Installed - ECP-XX48 / Fuel Tank Wiring Retrofit Improvements					Installation Quantity: 469		
Method of Implementation (Organic): Not Installed - ECP-XX50: F/A-18E/F Fuel Related Upgrade Issues					Installation Quantity: 500		
Method of Implementation (Organic): Not Installed - ECP-XX51 / F/A-18E/F ECS Subsystem Upgrade Issues					Installation Quantity: 500		
Method of Implementation (Organic): Not Installed - ECP-XX52 / F/A-18E/F Subsystem Retrofit Upgrade Issues					Installation Quantity: 500		
Method of Implementation (Organic): Not Installed - ECP-XX53 / F/A-18E/F Structure Stress Corrosion Cracking Issues					Installation Quantity: 500		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
Modification Item 1 of 1: E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)		
Installation Information		
Method of Implementation (Organic): Not Installed - ECP-XX55: F/A-18 OBOGS Catalyst Integration Modline		Installation Quantity: 500
Method of Implementation (Organic): Not Installed - ECP-6227C2 Inlet Nacelle Bleed Plate Crack		Installation Quantity: 301
Method of Implementation (Organic): Organic - ECP-XX60: NACES Retrofit Upgrades		Installation Quantity: 525
Method of Implementation (Organic): Not Installed - ECP-6430 Enhancement of the Aft Pivot Support Fitting		Installation Quantity: 655
Method of Implementation (Organic): Not Installed - ECP-XX33 / Hydraulics Components Improvement		Installation Quantity: 227
Method of Implementation (Organic): Not Installed - ECP-1137NI: Fire Extinguisher Temp Compensating Pressure Switch (TCPS)		Installation Quantity: 30
Method of Implementation (Organic): Not Installed - ECP-6234C1 Horizontal Stabilator/Fuselage Rubbing		Installation Quantity: 258
Method of Implementation (Organic): Not Installed - ECP-6394R1: F/A-18E/F Horizontal Stab Gang Channel Corrosion Provisions		Installation Quantity: 466
Method of Implementation (Organic): Not Installed - ECP-6438: : Fuel Panel Dump Switch cap change		Installation Quantity: 635
Method of Implementation (Organic): Not Installed - ECP-6440 MLG Wheel Rotor Drive KeyWays Retention		Installation Quantity: 136
Method of Implementation (Organic): Not Installed - ECP-590 CRU-123 SSOM		Installation Quantity: 619
Method of Implementation (Organic): Not Installed - ECP-5073: Retrofit of the Trailing Edge Flap Fastener Hole Cold Working		Installation Quantity: 69
Method of Implementation (Organic): Not Installed - Archived ECPs		Installation Quantity: 18031
Method of Implementation (Organic): Not Installed - Install Equip		Installation Quantity: 312
Method of Implementation (Organic): Not Installed - ECP-6039 FT77 Outerwing Retrofit		Installation Quantity: 624

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
Modification Item 1 of 1: E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)		
Installation Information		
Method of Implementation (Organic): Not Installed - ECP-6394R1 (F/A-18E/F Horiz Stab Gang Channel Corrosion		Installation Quantity: 890
Footnotes: ⁽³⁰⁾ ECP 6394R1 quantity of 890 includes 592 A1 kits and 298 A2 kits. ⁽³¹⁾ ILS increases in FY16 due to increased number of ECPs being procured and installed. ⁽³²⁾ Other Support increases in FY16 due to increased number of ECPs being procured and installed. ⁽³³⁾ Installation costs vary by FY due to different ECPs being installed.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)				
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)	159.512	30.197	50.129	92.490	-	92.490	69.920	88.170	93.713	249.963	1,262.168	2,096.262
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	159.512	30.197	50.129	92.490	-	92.490	69.920	88.170	93.713	249.963	1,262.168	2,096.262
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	159.512	30.197	50.129	92.490	-	92.490	69.920	88.170	93.713	249.963	1,262.168	2,096.262
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This Operational, Safety and Improvement Program (OSIP) is required to retrofit upgrades and improvements to various avionics systems that have been or are being incorporated into fleet aircraft, to provide updates to Automated Maintenance Environment (AME) and the Integrated Electronic Technical Manuals (IETMs), and to provide mission planning updates. Specifically for mission planning, the F/A-18 Unique Planning Component (UPC) for the Joint Mission Planning System (JMPS) must implement frequent software changes in conjunction with production aircraft modifications. The JMPS UPC changes required in conjunction with System Configuration Set (SCS) changes must include software regression tests to ensure proper operation and integration with other aircraft systems in JMPS components, and the core mission planning equipment and software procured elsewhere within the Navy budget. Upgrades include replacement of the Hi-8mm video tape recorder with a retrofit of Solid State Recorder (SSR) into F/A-18 aircraft and into United States Navy and Marine Corps F/A-18 aircraft. Installation of the Cockpit Video Recording System (CVRS) is a mandatory pre-requisite for the SSR upgrade for F/A-18C/D. This OSIP includes the retrofit completion of the CVRS in unmodified F/A-18C/D aircraft. Installation of the SSR for F/A-18E/F will be performed concurrent with the upgrade retrofit installation of the type 2 advanced mission computer and the JHMCS in OSIP 24-00. This OSIP also includes a requirement to retrofit the Deployable Flight Incident Recorder Set (DIFRS) to address obsolescence of the search and rescue tracking beacon. Upgrades also include an F/A-18 retrofit installation of the Advanced Mission Computer (AMC) or Advanced Capability Mission Computer (ACMC) as a replacement for the AYK-14 computer. Upgrades also include the retrofit installation of the Data Transfer Unit (DTU) for the Marine Corps F/A-18 aircraft. Upgrade includes a retrofit installation of the Advanced Capability Mission Computer (ACMC) into EA-18G aircraft. Upgrades include a retrofit of the Fiber Channel Network Switch (FCNS) with a 24 port switch (FCNS-24) into EA-18G aircraft. Upgrade also includes retrofit installation of various display hardware improvements to enable increased aircrew situational awareness including replacement of the Multipurpose Color Display (MPCD) with MPCDR (Replacement) to meet hardware requirement for H12 OFP display improvements. It will also support updates to Operational Flight Program (OFP) for on-going aircraft modernization and modification efforts necessitate periodic software releases. The procurement of SCS is not a stand alone cost but integration for the overall improvement to the end item to allow the integration of new capabilities and or performances to be complete. The SCS builds anticipated are used to support retrofit hardware configuration changes and the accompanying software change and associated testing driven by the Aircraft Procurement, Navy 5 (APN-5) funded OSIPs. SCS build integration will comprise of OFP, support equipment test program sets updates, precision approach and landing system assessment, operational analysis and functional retrofit implementation of aircrew and maintenance training systems, OFP memory loader verifier set personal computer memory card international association cards, update SCS to allow single point loading of software from the Advanced Memory Unit (AMU) or Digital Memory Device (DMD) and associated software licenses and data rights and publication updates. This OSIP will implement the upgraded architecture in support of Navy Aviation 2030 Plan as well as the Department of Defense mandated selective availability anti-spoofing module security architecture. The miniaturized airborne Global Positioning System (GPS) receiver retrofit implements an advanced GPS that increases platform navigation accuracy and smart weapon targeting solutions. This OSIP will implement a Precision Approach and Landing Capability (PALC) that will provide an onboard precision approach capability in the event of adverse weather conditions; civilian Instrument Landing System (ILS) is the current solution for PALC.												
FY 15 Congressional Add funding was received for non-recurring engineering for the retrofit of USMC F/A-18C/D with Advanced Capabilities Mission Computers (ACMCs), Display Upgrades, Stores Management Upgrade (SMUG), and associated software and engineering requirements. The efforts will include design, development, integration of the hardware and the software as well as the Integrated Logistics Support (ILS) products.												
Current Active Modifications												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)
ECP 6212R1 F/A-18E and F/A-18F Solid State Recorder; ECP 1146-12 (SSR Hi8); Cockpit Video Recording System (CVRS); Civilian ILS kits; ECP 6267R1 for Type 2 Advanced Mission Computer (AMC); SMUG for ECP-6042; SCS; MP/UPC Software; 25X; 27C SCS; H10 SCS; H12 SCS; HOL SCS Transition; ECP 6459 for Advanced Capability Mission Computer (ACMC); ECP 6456 for Fibre Channel Network Switch (FCNS-24); 29C SCS; H14 SCS; ALQ-214 JMPS UPC Future Modifications DFIRS; Display Improvements (HW); Single Point data loader (SW); Combined Interrogator Transponder; 31C SCS; H16 SCS; ECP 6220C3; H18 SCS DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: A mission planning system supporting F/A-18A-F is currently fielded. A JMPS was developed and fielded for F/A-18A-F in the first quarter of Fiscal Year 2005 with 19C and H2E+. The SSR retrofit was approved as a Congressional new start in August 2004. Lot 26-28 F/A-18E/F validation/verification for the SSR was completed in the second and third quarter fiscal year March 2005, with retrofit on two squadrons completed in the fourth quarter of fiscal year 2005. Lot 23-25 F/A-18E/F validation for the SSR was completed in the second quarter fiscal year 2013. Lot 23-24 F/A-18E/F validation for the type 2 advanced mission computer was completed in the fourth quarter fiscal year 2012 and second quarter fiscal year 2013. Verification for the SSR is in progress concurrent with type 2 advanced mission computer as of fourth quarter fiscal year 2014. ECP-NI-F/A-18-1146-12 for the SSR for Lot 12-22 F/A-18A-F was approved by the NAVAIR Configuration Control Board in September 2013. SCSs are scheduled for release to the fleet on an annual basis or as needed to fulfill emerging fleet requirements.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)					
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: Capability and Reliability Improvements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Core Avionics Improvements / Upgrades (OSIP 023-04)													
A Kits													
Recurring													
1.1.1) ECP-6212R1 F/A-18E SSR - NonOrganic ⁽³⁴⁾	40 / 0.694	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.694	
1.1.2) ECP-6212R1 F/A-18F SSR - NonOrganic ⁽³⁵⁾	56 / 1.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 1.101	
1.1.3) DFIRS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 3.992	72 / 4.572	- / -	- / -	136 / 8.564	
1.1.4) ECP 1146-12 (SSR Hi8) AFC-630 Lot 12-21 C - NonOrganic	276 / 2.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	276 / 2.081	
1.1.5) ECP 1146-12 (SSR Hi8) AFC-631 Lot 12-21 D - NonOrganic	115 / 1.693	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	115 / 1.693	
1.1.6) ECP 1146-12 (SSR Hi8) AFC-633 Lot 18-22 E/F - NonOrganic	32 / 0.308	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.308	
1.1.7) Display Improvements (HW) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	250 / 5.000	- / -	250 / 5.000	
1.1.8) Civilian ILS A-kits - NonOrganic	83 / 8.265	12 / 0.975	42 / 2.251	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	137 / 11.491	
1.1.9) Type 2 Advanced Mission Computer (AMC) kits - NonOrganic ⁽³⁶⁾	1 / 0.000	1 / -	6 / -	14 / -	- / -	14 / -	17 / -	15 / -	6 / -	- / -	- / -	60 / -	
1.1.10) NAVWAR Kits - NonOrganic ⁽³⁷⁾	- / -	- / -	- / -	- / -	- / -	- / -	21 / 1.974	38 / 3.636	53 / 5.163	- / -	- / -	112 / 10.773	
1.1.11) A-Kits Archive - Organic	336 / 6.882	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	336 / 6.882	
Subtotal: Recurring	- / 21.024	- / 0.975	- / 2.251	- / -	- / -	- / -	- / 1.974	- / 7.628	- / 9.735	- / 5.000	- / -	- / 48.587	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽³⁸⁾	- / 10.681	- / 0.975	- / 1.888	- / 15.665	- / -	- / 15.665	- / 7.711	- / 1.603	- / 2.561	- / -	- / -	- / 41.084	
Subtotal: Non-Recurring	- / 10.681	- / 0.975	- / 1.888	- / 15.665	- / -	- / 15.665	- / 7.711	- / 1.603	- / 2.561	- / -	- / -	- / 41.084	
B Kits													
Recurring													
2.1.1) SMUG for ECP-6042 - Organic	41 / 1.278	18 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 1.878	
2.1.2) F/A-18C/D Cockpit Video Recording System (CVRS) - NonOrganic	17 / 0.219	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.219	
2.1.3) Display Improvements (HW) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	250 / 11.009	- / -	250 / 11.009	
2.1.4) ECP 6459 Advanced Capability Mission Computer - Organic	- / -	- / -	- / -	30 / 13.500	- / -	30 / 13.500	46 / 21.073	66 / 30.779	67 / 31.808	67 / 32.380	280 / 126.000	556 / 255.540	
2.1.5) ECP 6456 Fibre Channel Network Switch (FCNS-24) - Organic	- / -	- / -	- / -	30 / 2.400	- / -	30 / 2.400	46 / 3.746	46 / 3.814	- / -	154 / 13.231	- / -	276 / 23.191	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)				
Models of Systems Affected: F/A-18A-F and EA-18G			Modification Type: Capability and Reliability Improvements					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.1.6) Single Point data loader (SW) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.150	- / -	- / 19.150
2.1.7) Combined Interrogator Transponder B-kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	25 / 2.442	35 / 3.418	90 / 8.789	- / -	- / -	150 / 14.649
2.1.8) NAVWAR - Organic ⁽³⁹⁾	- / -	- / -	- / -	- / -	- / -	- / -	21 / 1.323	38 / 2.437	53 / 3.460	- / -	- / -	112 / 7.220
2.1.9) SCS - Organic	- / 4.698	- / 7.387	- / 3.547	- / 3.695	- / -	- / 3.695	- / 5.231	- / 6.314	- / 6.657	- / 14.478	- / 1,017.414	- / 1,069.421
2.1.10) MP/UPC Software - Organic	- / 10.856	- / 7.059	- / -	- / 2.203	- / -	- / 2.203	- / 1.540	- / 2.259	- / 1.079	- / 11.098	- / 74.566	- / 110.660
2.1.11) 25X - Organic	- / 8.183	- / 1.351	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.534
2.1.12) 27C (SCS) - Organic	- / 1.121	- / 4.846	- / 3.643	- / 0.858	- / -	- / 0.858	- / -	- / -	- / -	- / -	- / -	- / 10.468
2.1.13) 29C (SCS) - Organic	- / -	- / -	- / -	- / 0.250	- / -	- / 0.250	- / 0.600	- / -	- / -	- / -	- / -	- / 0.850
2.1.14) 31C (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 46.839	- / 3.800	- / 50.639
2.1.15) H10 (SCS) - Organic	- / -	- / -	- / 0.211	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.211
2.1.16) H12 (SCS) - Organic	- / -	- / 2.440	- / -	- / -	- / -	- / -	- / 3.152	- / -	- / -	- / -	- / -	- / 5.592
2.1.17) H14 (SCS) - Organic	- / -	- / -	- / -	- / 2.500	- / -	- / 2.500	- / 2.106	- / 2.601	- / 2.653	- / 2.701	- / 6.000	- / 18.561
2.1.18) H16 (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000	- / 5.000	- / 25.877	- / 12.000	- / 45.877
2.1.19) H18 (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000	- / 5.000	- / 13.090	- / 21.000	- / 42.090
2.1.20) HOL SCS Transition - Organic	- / -	- / -	- / -	- / 11.455	- / -	- / 11.455	- / 8.005	- / 8.837	- / 6.381	- / 4.034	- / -	- / 38.712
2.1.21) ALQ-214 JMPS UPC - Organic	- / -	- / -	- / -	- / 2.012	- / -	- / 2.012	- / 2.550	- / 2.601	- / 2.653	- / 5.000	- / -	- / 14.816
2.1.22) B-Kits Archive - Organic	906 / 51.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	906 / 51.075
2.1.23) Prior Installation Cost - Organic	108 / 1.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 1.396
Subtotal: Recurring	- / 78.826	- / 23.683	- / 7.401	- / 38.873	- / -	- / 38.873	- / 51.768	- / 69.060	- / 73.480	- / 198.887	- / 1,260.780	- / 1,802.758
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽⁴⁰⁾	- / -	- / 1.576	- / 32.198	- / 31.657	- / -	- / 31.657	- / 1.030	- / 2.523	- / 0.326	- / 41.215	- / -	- / 110.525
Subtotal: Non-Recurring	- / 0.000	- / 1.576	- / 32.198	- / 31.657	- / -	- / 31.657	- / 1.030	- / 2.523	- / 0.326	- / 41.215	- / -	- / 110.525
Subtotal: Core Avionics Improvements / Upgrades (OSIP 023-04)	2,011 / 110.531	31 / 27.209	48 / 43.738	74 / 86.195	- / -	74 / 86.195	176 / 62.483	302 / 80.814	341 / 86.102	721 / 245.102	280 / 1,260.780	3,984 / 2,002.954
Subtotal: Procurement, All Modification Items	- / 110.531	- / 27.209	- / 43.738	- / 86.195	- / -	- / 86.195	- / 62.483	- / 80.814	- / 86.102	- / 245.102	- / 1,260.780	- / 2,002.954
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 1.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.080
3.2) Data	- / 7.787	- / -	- / -	- / -	- / -	- / -	- / 0.537	- / 0.885	- / 0.157	- / -	- / -	- / 9.366
3.3) Training Equipment	- / 1.904	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.904
3.4) Support Equipment	- / 5.427	- / 0.147	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.193	- / -	- / -	- / 7.767

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)					
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: Capability and Reliability Improvements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.5) ILS ⁽⁴¹⁾	- / 9.957	- / 0.822	- / 2.089	- / 2.127	- / -	- / 2.127	- / 2.165	- / 2.204	- / 2.244	- / 2.284	- / 0.402	- / 24.294	
3.6) Other Support ⁽⁴²⁾	- / 21.846	- / 1.463	- / 1.450	- / 1.476	- / -	- / 1.476	- / 1.502	- / 1.529	- / 1.557	- / 1.585	- / 0.986	- / 33.394	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 48.001	- / 2.432	- / 3.539	- / 3.603	- / -	- / 3.603	- / 4.204	- / 4.618	- / 6.151	- / 3.869	- / 1.388	- / 77.805	
Installation													
Modification Item 1 of 1: Core Avionics Improvements / Upgrades (OSIP 023-04)	- / 0.980	- / 0.556	- / 2.852	- / 2.692	- / -	- / 2.692	- / 3.233	- / 2.738	- / 1.460	- / 0.992	- / -	- / 15.503	
Subtotal: Installation	- / 0.980	- / 0.556	- / 2.852	- / 2.692	- / -	- / 2.692	- / 3.233	- / 2.738	- / 1.460	- / 0.992	- / -	- / 15.503	
Total													
Total Cost (Procurement + Support + Installation)	159.512	30.197	50.129	92.490	-	92.490	69.920	88.170	93.713	249.963	1,262.168	2,096.262	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)					
Modification Item 1 of 1: Core Avionics Improvements / Upgrades (OSIP 023-04)													
Manufacturer Information													
Manufacturer Name: Various - SSR Mod Installs							Manufacturer Location: Various						
Administrative Leadtime (in Months): 12							Production Leadtime (in Months): 31						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates													
Delivery Dates													
Manufacturer Name: Boeing - Civilian ILS							Manufacturer Location: St Louis, MO						
Administrative Leadtime (in Months): 12							Production Leadtime (in Months): 28						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates	Dec 2014	Dec 2015											
Delivery Dates	Apr 2016	Jul 2016											
Manufacturer Name: Boeing - NAVWAR							Manufacturer Location: St Louis, MO						
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 9						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates				Mar 2017	Mar 2018	Mar 2019							
Delivery Dates				Dec 2017	Dec 2018	Dec 2019							
Manufacturer Name: North Island - F/A-18C/D Cockpit Video Recording System (CVRS)							Manufacturer Location: San Diego, CA						
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 6						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates													
Delivery Dates													
Installation Information													
Method of Implementation: Navy Field mod Team:: Installation Name: SSR Mod Installs													
Installation Cost	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Prior Years	1 / 0.012	10 / 0.074	439 / 0.577	24 / 0.268	- / 0.000	24 / 0.268	24 / 0.269	15 / 0.168	6 / 0.067	- / -	- / -	519 / 1.435	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

Modification Item 1 of 1: Core Avionics Improvements / Upgrades (OSIP 023-04)

Installation Information

Method of Implementation: Navy Field mod Team:: Installation Name: SSR Mod Installs

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.012	10 / 0.074	439 / 0.577	24 / 0.268	- / -	24 / 0.268	24 / 0.269	15 / 0.168	6 / 0.067	- / -	- / -	519 / 1.435

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	3	7	7	161	161	110	4	5	7	8	12	3	4	5	5	3	3	4	6	-	-	-	-	-	-	-	-	519
Out	1	-	-	3	7	7	161	161	110	4	5	7	8	12	3	4	5	5	3	3	4	6	-	-	-	-	-	-	-	-	519

Method of Implementation: Navy Drive-In Modification:: Installation Name: Civilian ILS A-kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	18 / 0.648	6 / 0.220	59 / 1.440	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	83 / 2.308
FY 2014	- / -	- / -	- / -	12 / 0.288	- / -	12 / 0.288	- / -	- / -	- / -	- / -	- / -	12 / 0.288
FY 2015	- / -	- / -	- / -	12 / 0.288	- / -	12 / 0.288	30 / 0.720	- / -	- / -	- / -	- / -	42 / 1.008
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	18 / 0.648	6 / 0.220	59 / 1.440	24 / 0.576	- / -	24 / 0.576	30 / 0.720	- / -	- / -	- / -	- / -	137 / 3.604

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

Modification Item 1 of 1: Core Avionics Improvements / Upgrades (OSIP 023-04)

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: Civilian ILS A-kits

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	18	-	-	-	6	14	15	15	15	-	-	12	12	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	137
Out	18	-	-	-	6	14	15	15	15	-	-	12	12	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	137

Method of Implementation: Navy Field Modification Team:: Installation Name: Type 2 Advanced Mission Computer (AMC) kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.150
FY 2014	- / -	1 / 0.253	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.253
FY 2015	- / -	- / -	6 / 0.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.792
FY 2016	- / -	- / -	- / -	14 / 1.848	- / -	14 / 1.848	- / -	- / -	- / -	- / -	- / -	14 / 1.848
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	17 / 2.244	- / -	- / -	- / -	- / -	17 / 2.244
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 1.980	- / -	- / -	- / -	15 / 1.980
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.792	- / -	- / -	6 / 0.792
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.150	1 / 0.253	6 / 0.792	14 / 1.848	- / -	14 / 1.848	17 / 2.244	15 / 1.980	6 / 0.792	- / -	- / -	60 / 8.059

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	1	1	1	2	2	3	3	4	4	5	4	4	4	3	4	4	4	1	1	2	2	-	-	-	-	-	60
Out	1	-	-	-	1	1	1	2	2	3	3	4	4	5	4	4	4	3	4	4	4	1	1	2	2	-	-	-	-	-	60

Method of Implementation: Navy Field Modification Team:: Installation Name: NAVWAR Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

Modification Item 1 of 1: Core Avionics Improvements / Upgrades (OSIP 023-04)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: NAVWAR Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.590	- / -	- / -	- / -	21 / 0.590
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 0.601	- / -	- / -	38 / 0.601
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / 0.992	- / -	53 / 0.992
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.590	38 / 0.601	53 / 0.992	- / -	112 / 2.183

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	6	9	9	10	10	13	13	13	14	-	112	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	6	9	9	10	10	13	13	13	14	-	112	

Method of Implementation: Navy Field Modification Team:: Installation Name: F/A-18C/D Cockpit Video Recording System (CVRS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	11 / 0.170	1 / 0.009	5 / 0.043	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.222
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	11 / 0.170	1 / 0.009	5 / 0.043	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.222

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy																								Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)											
Modification Item 1 of 1: Core Avionics Improvements / Upgrades (OSIP 023-04)																															
Installation Information																															
Method of Implementation: Navy Field Modification Team:: Installation Name: F/A-18C/D Cockpit Video Recording System (CVRS)																															
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	11	1	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Out	11	1	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Method of Implementation (Organic): Organic - DFIRS																												Installation Quantity: 136			
Method of Implementation (Organic): Organic - Display Improvements (HW)																												Installation Quantity: 250			
Method of Implementation (Organic): Not Installed - A-Kits Archive																												Installation Quantity: 336			
Method of Implementation (Organic): Organic - SMUG for ECP-6042																												Installation Quantity: 59			
Method of Implementation (Organic): Organic - Display Improvements (HW)																												Installation Quantity: 250			
Method of Implementation (Organic): Organic - ECP 6459 Advanced Capability Mission Computer																												Installation Quantity: 556			
Method of Implementation (Organic): Organic - ECP 6456 Fibre Channel Network Switch (FCNS-24)																												Installation Quantity: 276			
Method of Implementation (Organic): Organic - Combined Interrogator Transponder B-kits																												Installation Quantity: 150			
Method of Implementation (Organic): Organic - NAVWAR																												Installation Quantity: 112			
Method of Implementation (Organic): Not Installed - B-Kits Archive																												Installation Quantity: 906			
Method of Implementation (Organic): Not Installed - Prior Installation Cost																												Installation Quantity: 108			

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

Footnotes:

- ⁽³⁴⁾ ECP-6212R1 installs were realigned to match concurrent install schedule with Type 2 AMC (ECP-6267R1). ECP-6212R1 (AFC-557) applies to E/F Lots 23-25, and is dependent upon Type II Mission Computer prerequisite install from ECP-6267R1 (AFC-507 Lot 25 and AFC-506 Lot 23-24). AFC-507 is complete for E/F. AFC-506 has experienced significant delays due to the complexity of the aircraft modification. AFC-557 val/ver activity closed in FY14 enabling issuance of the technical directive to begin installs in Lot 25E/F. AFC-506 is planned for release in FY15 for Lot 23-24 E/F and installs have been scheduled to coincide with AFC-557.
- ⁽³⁵⁾ ECP-6212R1 installs were realigned to match concurrent install schedule with Type 2 AMC (ECP-6267R1). ECP-6212R1 (AFC-557) applies to E/F Lots 23-25, and is dependent upon Type II Mission Computer prerequisite install from ECP-6267R1 (AFC-507 Lot 25 and AFC-506 Lot 23-24). AFC-507 is complete for E/F. AFC-506 has experienced significant delays due to the complexity of the aircraft modification. AFC-557 val/ver activity closed in FY14 enabling issuance of the technical directive to begin installs in Lot 25E/F. AFC-506 is planned for release in FY15 for Lot 23-24 E/F and installs have been scheduled to coincide with AFC-557.
- ⁽³⁶⁾ Type 2 AMC A-kits were procured under BLI 05770 and are being installed under BLI 05250. Type 2 AMC B-kits have been removed from aircraft and replaced with Type 3 AMC kits, so there is no cost for B-kits. The B-kits are O-level installs so there is no associated install cost or schedule for B-kits.
- ⁽³⁷⁾ Funding for NAVWAR kits and installs in FY17 - FY20 will be realigned to BLI 0577.
- ⁽³⁸⁾ Installation Kits N/R increases in FY16 for DFIRS engineering efforts.
- ⁽³⁹⁾ Funding for NAVWAR kits in FY17 - FY19 will be realigned to BLI 0577.
- ⁽⁴⁰⁾ Installation Equipment N/R increases in FY15 due to Congressional Add for USMC Improvements (displays, mission computers). Installation Equipment N/R increases in FY16 due to SCS displays, controls, and functionality engineering efforts
- ⁽⁴¹⁾ ILS increases in FY16 due to start up of ECP 6459 (ACMC) and 6456 (FCNS-24) efforts.
- ⁽⁴²⁾ Other Support increases in FY16 due to start up of ECP 6459 (ACMC) and 6456 (FCNS-24) efforts.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 11 / Litening AT Targeting Pod (OSIP 024-04)

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)	160.349	2.108	1.167	1.221	-	1.221	-	-	-	-	1.087	165.932
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	160.349	2.108	1.167	1.221	-	1.221	-	-	-	-	1.087	165.932
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	160.349	2.108	1.167	1.221	-	1.221	-	-	-	-	1.087	165.932
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Litening AT Pod (AN-AAQ-28) possesses qualities essential to the Marine Corps' F/A-18A+/D's in the execution of operations within the combat spectrum providing the Marine Air Ground Task Force with crucial capabilities in the expeditionary land based environment. Litening AT Pod capabilities include: laser/Infrared (IR) marker functionality, image data link functionality, cooperative laser guided illumination, laser spot tracker, and limited weapons damage assessment capability. Northrop Grumman's Litening pod has demonstrated improved reliability and maintainability during combat operation.

Congressional new start notification letters dated 24 July 2003 identified the need for limited integration of the Litening enhanced range Forward Looking IR (FLIR) on the F/A-18D. This interim enhanced capability provided United States Marine Corps air ground task forces greater precision close-in-air support capability and overall mission flexibility in the execution of theater operations in the combat environment. For F/A-18A+, another set of Congressional new start notification letters was submitted 29 October 2004 for integration of the Litening FLIR pods on land-based F/A-18A-Cs to increase their effectiveness in overseas contingency operations.

Current Active Modifications
F/A-18C kits, F/A-18D kits (Lots 12 and 13)

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Litening is a commercial off the shelf non-developmental item. This Operational, Safety and Improvement Program (OSIP) funds hardware for modifications to include personal computer memory card international association cards, station four adapters, wiring kits, loaders, etc. as well as desired software enhancements to take advantage of new capabilities. Litening kits for F/A-18D (lots 14 and up) were procured in prior years and have reconnaissance wiring. Litening kits for F/A-18D (lots 12 and 13) are engineered for aircraft without reconnaissance wiring and are procured in FY13.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 11 / Litening AT Targeting Pod (OSIP 024-04)					
Models of Systems Affected: F/A-18A+/C/D				Modification Type: CAPABILITY IMPROVEMENTS				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Litening AT Targeting Pod (OSIP 024-04)													
A Kits													
Recurring													
1.1.1) F/A-18C A-kits - NonOrganic	29 / 1.206	66 / 1.706	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	95 / 2.912	
1.1.2) F/A-18D A-kits val/ver (Lots 12 and 13) - NonOrganic	2 / 0.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.295	
1.1.3) F/A-18D A-kits (Lots 12 and 13) - NonOrganic	23 / 0.718	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.937	38 / 1.655	
1.1.4) A-kits Archive - Organic ⁽⁴³⁾	87 / 3.191	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	87 / 3.191	
Subtotal: Recurring	- / 5.410	- / 1.706	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.937	- / 8.053	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 1.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.225	
Subtotal: Non-Recurring	- / 1.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.225	
B Kits													
Recurring													
2.1.1) B-kits Archive - Organic	64 / 120.563	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 120.563	
2.1.2) Prior Year Installs - Organic	14 / 0.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.153	
Subtotal: Recurring	- / 120.716	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 120.716	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 6.216	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.216	
Subtotal: Non-Recurring	- / 6.216	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.216	
Subtotal: Litening AT Targeting Pod (OSIP 024-04)	219 / 133.567	66 / 1.706	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.937	300 / 136.210	
Subtotal: Procurement, All Modification Items	- / 133.567	- / 1.706	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.937	- / 136.210	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 10.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.025	
3.2) Data	- / 2.853	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.853	
3.3) Training Equipment	- / 0.289	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.289	
3.4) Support Equipment	- / 0.484	- / -	- / -	- / 0.396	- / -	- / 0.396	- / -	- / -	- / -	- / -	- / -	- / 0.880	
3.5) ILS	- / 2.446	- / -	- / -	- / 0.240	- / -	- / 0.240	- / -	- / -	- / -	- / -	- / -	- / 2.686	
3.6) Other Support ⁽⁴⁴⁾	- / 10.283	- / 0.388	- / 0.727	- / 0.355	- / -	- / 0.355	- / -	- / -	- / -	- / -	- / -	- / 11.753	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 26.380	- / 0.388	- / 0.727	- / 0.991	- / -	- / 0.991	- / -	- / -	- / -	- / -	- / -	- / 28.486	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 11 / Litening AT Targeting Pod (OSIP 024-04)			
Models of Systems Affected: F/A-18A+/C/D				Modification Type: CAPABILITY IMPROVEMENTS				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Installation													
Modification Item 1 of 1: Litening AT Targeting Pod (OSIP 024-04)	- / 0.402	- / 0.014	- / 0.440	- / 0.230	- / -	- / 0.230	- / -	- / -	- / -	- / -	- / 0.150	- / 1.236	
<i>Subtotal: Installation</i>	- / 0.402	- / 0.014	- / 0.440	- / 0.230	- / -	- / 0.230	- / -	- / -	- / -	- / -	- / 0.150	- / 1.236	
Total													
Total Cost (Procurement + Support + Installation)	160.349	2.108	1.167	1.221	-	1.221	-	-	-	-	1.087	165.932	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 11 / Litening AT Targeting Pod (OSIP 024-04)

Modification Item 1 of 1: Litening AT Targeting Pod (OSIP 024-04)

Manufacturer Information

Manufacturer Name: Northrop Grumman - F/A-18D A-kits val/ver				Manufacturer Location: Shamburg, IL			
Administrative Leadtime (in Months): 12				Production Leadtime (in Months): 14			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Manufacturer Name: Northrop Grumman - F/A-18D A-kits				Manufacturer Location: Shamburg, IL			
Administrative Leadtime (in Months): 12				Production Leadtime (in Months): 25			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Manufacturer Name: Northrop Grumman - F/A-18C A-kits				Manufacturer Location: Shamburg, IL			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 2			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jun 2014						
Delivery Dates	Aug 2014						

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: F/A-18C A-kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	29 / 0.402	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.402
FY 2014	- / -	26 / 0.014	40 / 0.420	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 0.434
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	29 / 0.402	26 / 0.014	40 / 0.420	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	95 / 0.836

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 11 / Litening AT Targeting Pod (OSIP 024-04)

Modification Item 1 of 1: Litening AT Targeting Pod (OSIP 024-04)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: F/A-18C A-kits

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	29	-	-	-	26	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95
Out	29	-	-	-	26	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95

Method of Implementation: Navy Field Modification Team:: Installation Name: F/A-18D A-kits val/ver (Lots 12 and 13)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	2 / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
Out	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		

Method of Implementation: Navy Field Modification Team:: Installation Name: F/A-18D A-kits (Lots 12 and 13)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	23 / 0.230	- / 0.000	23 / 0.230	- / -	- / -	- / -	- / -	- / -	23 / 0.230

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 11 / Litening AT Targeting Pod (OSIP 024-04)

Modification Item 1 of 1: Litening AT Targeting Pod (OSIP 024-04)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: F/A-18D A-kits (Lots 12 and 13)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.150	15 / 0.150
Total	- / -	- / -	- / -	23 / 0.230	- / -	23 / 0.230	- / -	- / -	- / -	- / -	15 / 0.150	38 / 0.380

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	38	
Out	-	-	-	-	-	-	-	-	-	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	38	

Method of Implementation (Organic): Not Installed - A-kits Archive

Installation Quantity: 87

Method of Implementation (Organic): Not Installed - B-kits Archive

Installation Quantity: 64

Method of Implementation (Organic): Not Installed - Prior Year Installs

Installation Quantity: 14

Footnotes:

⁽⁴³⁾ All installs were in PY. See PY install cost element for cost.

⁽⁴⁴⁾ Support in FY15 and FY16 is required for ongoing installs within this OSIP.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)		
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>)	631.082	186.941	79.223	102.497	-	102.497	237.155	243.756	229.280	161.537	159.957	2,031.428
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	631.082	186.941	79.223	102.497	-	102.497	237.155	243.756	229.280	161.537	159.957	2,031.428
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	631.082	186.941	79.223	102.497	-	102.497	237.155	243.756	229.280	161.537	159.957	2,031.428
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The F/A-18E/F and EA-18G program has developed and integrated the APG-79 Active Electronically Scanned Array (AESA) radar system for installation in Lot 26 and subsequent Block II, Super Hornet and Growler aircraft. The integration of the APG-79 AESA radar system into the F/A-18E /F and EA-18G greatly improves the weapon system's threat detection range, high resolution synthetic aperture radar ground mapping and targeting capability, aircraft survivability and situational awareness. This Operational, Safety and Improvement Program (OSIP) also includes non-recurring efforts for reliability and operational safety improvements to the APG-65 and APG-73 radars. Current Active Modifications Radome (ECP-6038); Retrofit radars (APG-79B); modules kits (WRAs) (ECP-6279); General Purpose Processor (GPP)3 (ECP 6381); 5th and 6th Channel (ECP 6344); Waveform Generator (ECP 6346); APG-65/73 obsolescence; APG-79 obsolescence; H12 System Configuration Set (SCS); H14 SCS Future Modifications: AESA Short Range Improvement S/W Upgrade; Radar Software Corrections; H16 DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Forward fit of the APG-79 AESA radar system began with 8 units in Lot 27, 12 units in Lot 28 and 22 units in Lot 29. Beginning in Lot 30, all F/A-18 E/F and EA-18G aircraft will be delivered with the APG-79 AESA radar. This OSIP includes the retrofit of the APG-79 AESA system into 133 Lot 26-29 F/A-18E/F aircraft originally delivered with APG-73. Obsolescence is included for the APG-79 AESA to address non-recurring activities driven by vanishing suppliers and limited military demand for commercial parts/components. The procurement of kits commenced in FY 2008 with the first installation occurring in FY 2009.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)					
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: AVIONICS UPGRADE				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)													
A Kits													
Recurring													
1.1.1) Radome (ECP-6038) - NonOrganic	83 / 26.465	22 / 6.447	13 / 4.581	- / -	- / -	- / -	13 / 3.952	- / -	- / -	- / -	- / -	131 / 41.445	
Subtotal: Recurring	- / 26.465	- / 6.447	- / 4.581	- / -	- / -	- / -	- / 3.952	- / -	- / -	- / -	- / -	- / 41.445	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 2.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.295	
Subtotal: Non-Recurring	- / 2.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.295	
B Kits													
Recurring													
2.1.1) Retrofit radars (APG-79B) - Organic ⁽⁴⁵⁾	102 / 282.879	11 / 34.000	- / -	16 / 48.154	- / -	16 / 48.154	4 / 12.000	- / -	- / -	- / -	- / -	133 / 377.033	
2.1.2) Modules Kits (WRAs) (ECP-6279) - NonOrganic ⁽⁴⁶⁾	104 / 46.008	63 / 23.652	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	167 / 69.660	
2.1.3) GPP3 (ECP 6381) - Organic	- / -	- / -	12 / 4.800	- / -	- / -	- / -	158 / 63.200	170 / 68.000	170 / 68.000	49 / 19.600	- / -	559 / 223.600	
2.1.4) 5th and 6th Channel (ECP 6344) - NonOrganic	- / -	- / -	12 / 4.440	- / -	- / -	- / -	158 / 58.460	170 / 62.900	170 / 62.900	49 / 18.130	- / -	559 / 206.830	
2.1.5) Waveform Generator HW (ECP 6346) - Organic	- / -	- / -	12 / 1.560	- / -	- / -	- / -	158 / 20.540	170 / 22.100	29 / 3.770	- / -	- / -	369 / 47.970	
2.1.6) Waveform Generator FW (ECP 6346) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	95 / 1.140	95 / 1.140	- / -	- / -	190 / 2.280	
2.1.7) APG-65/73 obsolescence - Organic ⁽⁴⁷⁾	- / 4.163	- / 5.207	- / 5.224	- / 3.427	- / -	- / 3.427	- / 10.000	- / 10.000	- / 10.000	- / 10.180	- / 5.090	- / 63.291	
2.1.8) APG-79 obsolescence - Organic ⁽⁴⁸⁾	- / 3.688	- / 5.295	- / 5.224	- / 3.427	- / -	- / 3.427	- / 10.000	- / 10.000	- / 10.000	- / 10.180	- / 5.090	- / 62.904	
2.1.9) H12 (SCS) - Organic	- / 2.200	- / 10.572	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.772	
2.1.10) H14 (SCS) - Organic	- / -	- / 20.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.052	
2.1.11) B-Kits Archive - Organic	115 / 59.216	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	115 / 59.216	
Subtotal: Recurring	- / 398.154	- / 98.778	- / 21.248	- / 55.008	- / -	- / 55.008	- / 174.200	- / 174.140	- / 155.810	- / 58.090	- / 10.180	- / 1,145.608	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 116.672	- / 72.806	- / 44.038	- / 26.884	- / -	- / 26.884	- / 34.798	- / 29.883	- / 34.920	- / 62.198	- / 126.556	- / 548.755	
Subtotal: Non-Recurring	- / 116.672	- / 72.806	- / 44.038	- / 26.884	- / -	- / 26.884	- / 34.798	- / 29.883	- / 34.920	- / 62.198	- / 126.556	- / 548.755	
Subtotal: AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)	404 / 543.586	96 / 178.031	49 / 69.867	16 / 81.892	- / -	16 / 81.892	491 / 212.950	605 / 204.023	464 / 190.730	98 / 120.288	- / 136.736	2,223 / 1,738.103	
Subtotal: Procurement, All Modification Items	- / 543.586	- / 178.031	- / 69.867	- / 81.892	- / -	- / 81.892	- / 212.950	- / 204.023	- / 190.730	- / 120.288	- / 136.736	- / 1,738.103	
Support (All Modification Items)													

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)				
Models of Systems Affected: F/A-18A-F and EA-18G			Modification Type: AVIONICS UPGRADE					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.1) Engineering Change Orders	- / 34.268	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.268
3.2) Software - Radar Software Corrections ⁽⁴⁹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.000	- / 5.000	- / 5.000	- / 5.000	- / -	- / 20.000
3.3) Software - AESA Short Range Improvement S/W Upgrade ⁽⁵⁰⁾	- / -	- / -	- / -	- / 10.000	- / -	- / 10.000	- / 10.000	- / 10.000	- / 7.135	- / 10.000	- / -	- / 47.135
3.4) Data	- / 1.489	- / -	- / 0.251	- / 0.251	- / -	- / 0.251	- / 0.251	- / 0.250	- / 0.250	- / 0.250	- / -	- / 2.992
3.5) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Support Equipment	- / 8.008	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.008
3.7) ILS	- / 4.160	- / 2.565	- / 2.612	- / 2.659	- / -	- / 2.659	- / 2.706	- / 2.755	- / 2.805	- / 2.855	- / 5.813	- / 28.930
3.8) Other Support	- / 38.921	- / 5.520	- / 5.619	- / 5.721	- / -	- / 5.721	- / 5.823	- / 5.928	- / 6.035	- / 6.144	- / 12.508	- / 92.219
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 86.846	- / 8.085	- / 8.482	- / 18.631	- / -	- / 18.631	- / 23.780	- / 23.933	- / 21.225	- / 24.249	- / 18.321	- / 233.552
Installation												
Modification Item 1 of 1: AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)	- / 0.650	- / 0.825	- / 0.874	- / 1.974	- / -	- / 1.974	- / 0.425	- / 15.800	- / 17.325	- / 17.000	- / 4.900	- / 59.773
Subtotal: Installation	- / 0.650	- / 0.825	- / 0.874	- / 1.974	- / -	- / 1.974	- / 0.425	- / 15.800	- / 17.325	- / 17.000	- / 4.900	- / 59.773
Total												
Total Cost (Procurement + Support + Installation)	631.082	186.941	79.223	102.497	-	102.497	237.155	243.756	229.280	161.537	159.957	2,031.428

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)				
Modification Item 1 of 1: AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)												
Manufacturer Information												
Manufacturer Name: Boeing - ECP 6038							Manufacturer Location: St Louis, MO					
Administrative Leadtime (in Months): 9							Production Leadtime (in Months): 24					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Jun 2014	Jun 2015		Jun 2017								
Delivery Dates	Jun 2016	Jun 2017		Jun 2019								
Manufacturer Name: Raytheon - ECP 6344							Manufacturer Location: El Segundo, CA					
Administrative Leadtime (in Months): 7							Production Leadtime (in Months): 6					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates		Mar 2015		Mar 2017	Mar 2018	Mar 2019	Mar 2020					
Delivery Dates		Oct 2015		Oct 2017	Oct 2018	Oct 2019	Oct 2020					
Manufacturer Name: Raytheon - ECP 6279							Manufacturer Location: El Segundo, CA					
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 18					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Mar 2014											
Delivery Dates	Aug 2015											
Installation Information												
Method of Implementation: Navy Field Modification Team:: Installation Name: Radome (ECP-6038)												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2 / 0.400	33 / 0.732	35 / 0.714	13 / 0.295	- / 0.000	13 / 0.295	- / -	- / -	- / -	- / -	- / -	83 / 2.141
FY 2014	- / -	- / -	- / -	18 / 0.276	- / -	18 / 0.276	4 / 0.100	- / -	- / -	- / -	- / -	22 / 0.376
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.325	- / -	- / -	- / -	- / -	13 / 0.325
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.325	- / -	- / -	13 / 0.325
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.400	33 / 0.732	35 / 0.714	31 / 0.571	- / -	31 / 0.571	17 / 0.425	- / -	13 / 0.325	- / -	- / -	131 / 3.167

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)									

Modification Item 1 of 1: AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: Radome (ECP-6038)

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2	8	8	8	9	10	9	8	8	7	6	9	9	4	3	9	1	-	-	-	-	-	3	9	1	-	-	-	-	-	131
Out	2	8	8	8	9	10	9	8	8	7	6	9	9	4	3	9	1	-	-	-	-	-	3	9	1	-	-	-	-	-	131

Method of Implementation: Navy Field Modification Team:: Installation Name: Modules Kits (WRAs) (ECP-6279)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	59 / 0.250	22 / 0.093	23 / 0.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	104 / 0.440
FY 2014	- / -	- / -	15 / 0.063	48 / 0.203	- / -	48 / 0.203	- / -	- / -	- / -	- / -	- / -	63 / 0.266
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	59 / 0.250	22 / 0.093	38 / 0.160	48 / 0.203	- / -	48 / 0.203	- / -	- / -	- / -	- / -	- / -	167 / 0.706

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	59	9	-	13	-	7	8	8	15	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	167
Out	59	9	-	13	-	7	8	8	15	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	167

Method of Implementation: FRC:: Installation Name: 5th and 6th Channel (ECP 6344)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)

Modification Item 1 of 1: AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)

Installation Information

Method of Implementation: FRC:: Installation Name: 5th and 6th Channel (ECP 6344)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	12 / 1.200	- / -	12 / 1.200	- / -	- / -	- / -	- / -	- / -	12 / 1.200
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	158 / 15.800	- / -	- / -	- / -	158 / 15.800
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 17.000	- / -	- / -	170 / 17.000
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 17.000	- / -	170 / 17.000
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 4.900	49 / 4.900
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	12 / 1.200	- / -	12 / 1.200	- / -	158 / 15.800	170 / 17.000	170 / 17.000	49 / 4.900	559 / 55.900

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	3	3	3	3	-	-	-	-	39	39	40	40	42	42	43	43	42	42	43	43	49	559
Out	-	-	-	-	-	-	-	-	-	3	3	3	3	-	-	-	-	39	39	40	40	42	42	43	43	42	42	43	43	49	559

Method of Implementation (Organic): Organic - Retrofit radars (APG-79B)	Installation Quantity: 133
Method of Implementation (Organic): Organic - GPP3 (ECP 6381)	Installation Quantity: 559
Method of Implementation (Organic): Organic - Waveform Generator HW (ECP 6346)	Installation Quantity: 369
Method of Implementation (Organic): Organic - Waveform Generator FW (ECP 6346)	Installation Quantity: 190
Method of Implementation (Organic): Not Installed - B-Kits Archive	Installation Quantity: 115

Footnotes:

⁽⁴⁵⁾ Radars are O-level installs and have no related install cost/schedule.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)
(46) ECP 6279 installs are dependent upon squadron availability and Commander, Naval Air Forces Master Air Plan. (47) Costs for obsolescence kits vary because obsolescence issues are not an ongoing effort for a single item and are not subject to inflation driven increases. The requirement for obsolescence kits was determined by evaluating historic life of type buy costs for analogous systems. These costs were projected to support future obsolescence issues in the affected components. Obsolescence efforts have been underfunded for the past, causing the program to reallocate current-year budget to cover emergent obsolescence mitigation efforts per Resource Sponsor direction. The increases from year to year are necessary to recover from several years of shortfalls. (48) Costs for obsolescence kits vary because obsolescence issues are not an ongoing effort for a single item and are not subject to inflation driven increases. The requirement for obsolescence kits was determined by evaluating historic life of type buy costs for analogous systems. These costs were projected to support future obsolescence issues in the affected components. Obsolescence efforts have been underfunded for the past few years, causing the program to reallocate current-year budget to cover emergent obsolescence mitigation efforts per Resource Sponsor direction. The increases from year to year are necessary to recover from several years of shortfalls. (49) Software updates do not have quantities associated. (50) Software updates do not have quantities associated.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 13 / EW Unique (OSIP 021-08)			

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>	130.868	13.347	36.732	1.200	-	1.200	0.484	-	-	-	-	182.631
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	130.868	13.347	36.732	1.200	-	1.200	0.484	-	-	-	-	182.631
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	130.868	13.347	36.732	1.200	-	1.200	0.484	-	-	-	-	182.631
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Purchase additional ALR-67(V)3 Radar Warning Receiver (RWR) systems to be used to retrofit F/A-18C/D/E/F platforms. These systems will replace existing ALR-67(V)2 systems. This will significantly increase aircrew survivability in the legacy F/A-18. The repetitive obsolescence issues of the V(2) system is a consistent issue in the F/A-18 community. The RWR ALR-67(V)3 is the threat recognition providing situational awareness for the aircrew and is vital to their own safety as well as providing the opportunity to support the ground troops. This retrofit reduces the risk of lost aircraft and aircrew in a hostile environment, improves close air support, and reduces the risk of blue on blue fratricide. The Operational, Safety and Improvement Program (OSIP) also performs required safety of flight modifications (ECP 622, ECP AV064, ECP AV081), addresses obsolescence issues, sustainment, and incorporates system improvements for all electronic warfare unique requirements. ALQ-214(V)4/5 kit procurement is required for integration testing to determine ALR-67(V)3 and ALQ-214(V)5 compatibility.

FY15 Congressional Add funding was received for ALR-67(v)3 kits and installs.

Current Active Modifications:
ECP 622 ALR-67(V)3

Future Modifications:
ECP AV064 (analog countermeasures receiver to digital countermeasures receiver)

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: V(3) Development and integration efforts started in FY10 and delivery and installs of A-kits to begin in FY14.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 13 / EW Unique (OSIP 021-08)					
Models of Systems Affected: F/A-18C/D/E/F ALR-67(V)3 Retrofit				Modification Type: Capability Improvements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: EW Unique (OSIP 021-08)													
A Kits													
Recurring													
1.1.1) ALR-67(V)3 USMC (CONG) - NonOrganic ⁽⁵¹⁾	- / -	- / -	24 / 0.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.792	
1.1.2) OCO ALR 67(V)3 - NonOrganic	100 / 4.123	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 4.123	
1.1.3) A-Kits Archive - Organic	5 / 0.863	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.863	
Subtotal: Recurring	- / 4.986	- / -	- / 0.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.778	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 1.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.605	
Subtotal: Non-Recurring	- / 1.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.605	
B Kits													
Recurring													
2.1.1) F/A-18 C/D ALR-67(V)3 Retrofit USMC (CONG) - Organic ⁽⁵²⁾	- / -	- / -	24 / 34.608	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 34.608	
2.1.2) B-Kits Archive - Organic	474 / 105.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	474 / 105.011	
Subtotal: Recurring	- / 105.011	- / -	- / 34.608	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 139.619	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 12.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.190	
Subtotal: Non-Recurring	- / 12.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.190	
Subtotal: EW Unique (OSIP 021-08)	579 / 123.792	- / -	48 / 35.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	627 / 159.192	
Subtotal: Procurement, All Modification Items	- / 123.792	- / -	- / 35.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 159.192	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Software - ALR-67(V)3 system S/W upgrade	- / -	- / 13.289	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.289	
3.3) Data	- / 0.584	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.584	
3.4) Training Equipment	- / 0.276	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.276	
3.5) Support Equipment	- / 5.755	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.755	
3.6) ILS	- / 0.114	- / 0.008	- / 0.069	- / 0.004	- / -	- / 0.004	- / -	- / -	- / -	- / -	- / -	- / 0.195	
3.7) Other Support	- / 0.347	- / -	- / 0.063	- / 0.011	- / -	- / 0.011	- / -	- / -	- / -	- / -	- / -	- / 0.421	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 7.076	- / 13.297	- / 0.132	- / 0.015	- / -	- / 0.015	- / -	- / -	- / -	- / -	- / -	- / 20.520	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 13 / EW Unique (OSIP 021-08)			
Models of Systems Affected: F/A-18C/D/E/F ALR-67(V)3 Retrofit				Modification Type: Capability Improvements				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Installation													
Modification Item 1 of 1: EW Unique (OSIP 021-08)	- / 0.000	- / 0.050	- / 1.200	- / 1.185	- / -	- / 1.185	- / 0.484	- / -	- / -	- / -	- / -	- / 2.919	
Subtotal: Installation	- / 0.000	- / 0.050	- / 1.200	- / 1.185	- / -	- / 1.185	- / 0.484	- / -	- / -	- / -	- / -	- / 2.919	
Total													
Total Cost (Procurement + Support + Installation)	130.868	13.347	36.732	1.200	-	1.200	0.484	-	-	-	-	182.631	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 13 / EW Unique (OSIP 021-08)											
Modification Item 1 of 1: EW Unique (OSIP 021-08)																															
Manufacturer Information																															
Manufacturer Name: Raytheon - ALR-67(V)3															Manufacturer Location: Forrest, MS																
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 18																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Manufacturer Name: Raytheon - ALR-67(V)3 (Cong Add)															Manufacturer Location: Forrest, MS																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 18																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates						Mar 2015																									
Delivery Dates						Sep 2016																									
Installation Information																															
Method of Implementation: Navy Field Modification Team:: Installation Name: ALR-67(V)3 USMC (CONG)																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / 0.600	6 / -	- / -	6 / -	18 / -	- / -	- / -	- / -	- / -	24 / 0.600																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / 0.600	6 / -	- / -	6 / -	18 / -	- / -	- / -	- / -	- / -	24 / 0.600																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
Out	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 13 / EW Unique (OSIP 021-08)

Modification Item 1 of 1: EW Unique (OSIP 021-08)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: OCO ALR 67(V)3

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	2 / 0.050	24 / 0.600	48 / 1.185	- / 0.000	48 / 1.185	26 / 0.484	- / -	- / -	- / -	- / -	100 / 2.319
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 0.050	24 / 0.600	48 / 1.185	- / -	48 / 1.185	26 / 0.484	- / -	- / -	- / -	- / -	100 / 2.319

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	2	6	6	6	6	12	12	12	12	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
Out	-	-	-	-	2	6	6	6	6	12	12	12	12	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100

Method of Implementation (Organic): Organic - A-Kits Archive	Installation Quantity: 5

Method of Implementation (Organic): Organic - F/A-18 C/D ALR-67(V)3 Retrofit USMC (CONG)	Installation Quantity: 24

Method of Implementation (Organic): Organic - B-Kits Archive	Installation Quantity: 474

Footnotes:

⁽⁵¹⁾ FY15 Congressional Add received for USMC Improvements to procure ALR-67(V)3 A-kits. Kits are installed in FY16 and FY17 using FY15 Congressional Add funding.

⁽⁵²⁾ FY15 Congressional Add for USMC; 24 ALR-67(V)3 B-kits.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)			
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>	118.159	41.052	32.522	28.607	-	28.607	26.375	43.209	25.000	26.136	123.026	464.086
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	118.159	41.052	32.522	28.607	-	28.607	26.375	43.209	25.000	26.136	123.026	464.086
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	118.159	41.052	32.522	28.607	-	28.607	26.375	43.209	25.000	26.136	123.026	464.086
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Operational, Safety and Improvement Program (OSIP) 001-10 will implement a common configuration and capability across all F/A-18A-F and EA-18G aircraft. Improving platform performance in all mission areas including Surface Warfare (SuW), air-to-air, strike, Suppression of Enemy Air Defenses (SEAD)/Defensive Electronic Counter Measurements (DECD) and interoperability which will result in a reduction of a number of aircraft and weapons to execute SuW and strike missions in most stressing scenarios, decrease in time on target to execute SuW, SEAD/DECD missions in major combat operations scenarios and will improve survivability due to decreased time on target. The F/A-18 program has developed and integrated multiple systems to be installed in Lot 26 and subsequent block 2 aircraft. The integration of the systems: Distributed Targeting System (DTS), Distributed Targeting Processor - Network (DTP-N), Data Transfer Unit (DTU), Digital Memory Device (DMD), Advanced Navigation (ANAV), Upgraded Solid State Recorder (USSR), digital cueing systems and G4 processor, and interoperability modifications due to Multifunctional Information Distribution System Low Volume Terminal (MIDS LVT) and digital communication system radio military-standard will greatly improve the weapon systems threat capability. This OSIP will implement the required architecture in support of Navigation Plan 2030. The ANAV retrofit implements an advanced inertial navigation system/global positioning system that increases platform navigation accuracy and smart weapon targeting solutions. Current Active Modifications USSR; USSR Operational RMMs; DTS A1 Kits (LOTS 26-29); DTS A2 - A5 Kits (LOTS 26-29); DMD A Kit (LOTS 26-29); DMD Replacement kits; ANAV kit with WRA; DTS kits (lots 26 and above) Future Modifications Distributed Targeting Processor-Network (DTP-N) kits; DTU DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: DMD, ANAV, and digital countermeasure receiver are fully developed and delivered with Lot 30 and above in FY 2008. DTS achieved IOC in Oct 2013.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)					
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: Avionics Upgrade				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)													
A Kits													
Recurring													
1.1.1) USSR A-Kit - NonOrganic ⁽⁵³⁾	158 / 6.527	17 / 0.914	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	175 / 7.441	
1.1.2) DTS A1 KITS (LOTS 26-29) - NonOrganic ⁽⁵⁴⁾	37 / 1.293	39 / 1.396	44 / 2.095	50 / 2.381	- / -	50 / 2.381	- / -	- / -	- / -	- / -	- / -	170 / 7.165	
1.1.3) DTS A2 - A5 KITS (LOTS 26-29) - Organic	84 / 0.732	86 / 1.142	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 1.874	
1.1.4) DMD A Kit (LOTS 26-29) - NonOrganic	35 / 1.710	20 / 1.900	20 / 1.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 5.545	
1.1.5) DMD Replacement kits - NonOrganic	- / -	- / -	38 / 0.262	57 / 0.393	- / -	57 / 0.393	- / -	- / -	- / -	- / -	- / -	95 / 0.655	
1.1.6) A-Kits Archive - Organic	446 / 0.229	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	446 / 0.229	
Subtotal: Recurring	- / 10.491	- / 5.352	- / 4.292	- / 2.774	- / -	- / 2.774	- / -	- / -	- / -	- / -	- / -	- / 22.909	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 12.027	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.027	
Subtotal: Non-Recurring	- / 12.027	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.027	
B Kits													
Recurring													
2.1.1) ANAV kit with WRA - NonOrganic	82 / 7.851	36 / 3.575	36 / 3.504	12 / 1.189	- / -	12 / 1.189	- / -	- / -	- / -	- / -	- / -	166 / 16.119	
2.1.2) DTS B kits (lots 26 and above) - Organic	157 / 41.953	87 / 19.050	18 / 7.313	27 / 7.020	- / -	27 / 7.020	44 / 10.648	78 / 18.174	7 / 1.660	- / -	- / -	418 / 105.818	
2.1.3) DTP-N B-kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.964	126 / 79.467	136 / 86.431	
2.1.4) USSR Operational RMMs - Organic	137 / 0.890	19 / 0.134	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	156 / 1.024	
2.1.5) DTU Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 5.400	95 / 5.803	88 / 5.472	285 / 18.040	558 / 34.715	
2.1.6) DTU Ground Encryptor - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / 4.606	96 / 4.789	98 / 4.976	230 / 11.890	518 / 26.261	
2.1.7) DTU Memory Modules - Organic ⁽⁵⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	558 / 1.060	554 / 1.072	484 / 0.953	1,420 / 2.846	3,016 / 5.931	
2.1.8) DTU AME Cables - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	88 / 0.114	74 / 0.098	81 / 0.109	93 / 0.128	336 / 0.449	
2.1.9) B-Kits Archive - Organic	660 / 27.364	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	660 / 27.364	
Subtotal: Recurring	- / 78.058	- / 22.759	- / 10.817	- / 8.209	- / -	- / 8.209	- / 10.648	- / 29.354	- / 13.422	- / 18.474	- / 112.371	- / 304.112	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁵⁶⁾	- / 2.800	- / 0.513	- / 0.383	- / -	- / -	- / -	- / 0.018	- / 2.225	- / 4.365	- / 1.337	- / 3.871	- / 15.512	
Subtotal: Non-Recurring	- / 2.800	- / 0.513	- / 0.383	- / -	- / -	- / -	- / 0.018	- / 2.225	- / 4.365	- / 1.337	- / 3.871	- / 15.512	
Subtotal: Network Centric Operations: (OSIP 001-10)	1,796 / 103.376	304 / 29.624	156 / 15.492	146 / 10.983	- / -	146 / 10.983	44 / 10.666	908 / 31.579	826 / 17.787	761 / 19.811	2,154 / 116.242	7,095 / 355.560	
Subtotal: Procurement, All Modification Items	- / 103.376	- / 29.624	- / 15.492	- / 10.983	- / -	- / 10.983	- / 10.666	- / 31.579	- / 17.787	- / 19.811	- / 116.242	- / 355.560	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)				
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: Avionics Upgrade				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 2.712	- / -	- / -	- / 0.463	- / -	- / 0.463	- / -	- / 0.268	- / -	- / -	- / -	- / 3.443	
3.3) Training Equipment	- / -	- / -	- / -	- / 0.095	- / -	- / 0.095	- / 0.049	- / -	- / -	- / -	- / -	- / 0.144	
3.4) Support Equipment	- / 3.783	- / 2.733	- / 2.188	- / 2.201	- / -	- / 2.201	- / 1.338	- / 1.020	- / -	- / 0.237	- / 0.548	- / 14.048	
3.5) ILS	- / 2.505	- / 3.934	- / 4.696	- / 4.369	- / -	- / 4.369	- / 4.530	- / 4.417	- / 4.018	- / 3.974	- / 4.045	- / 36.488	
3.6) Other Support	- / 5.368	- / 4.349	- / 4.342	- / 3.305	- / -	- / 3.305	- / 3.278	- / 3.215	- / 3.195	- / 2.114	- / 2.191	- / 31.357	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 14.368	- / 11.016	- / 11.226	- / 10.433	- / -	- / 10.433	- / 9.195	- / 8.920	- / 7.213	- / 6.325	- / 6.784	- / 85.480	
Installation													
Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)	- / 0.415	- / 0.412	- / 5.804	- / 7.191	- / -	- / 7.191	- / 6.514	- / 2.710	- / -	- / -	- / -	- / 23.046	
Subtotal: Installation	- / 0.415	- / 0.412	- / 5.804	- / 7.191	- / -	- / 7.191	- / 6.514	- / 2.710	- / -	- / -	- / -	- / 23.046	
Total													
Total Cost (Procurement + Support + Installation)	118.159	41.052	32.522	28.607	-	28.607	26.375	43.209	25.000	26.136	123.026	464.086	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)	
Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)							
Manufacturer Information							
Manufacturer Name: Boeing - USSR				Manufacturer Location: St Louis, MO			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 30			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014						
Delivery Dates	Oct 2016						
Manufacturer Name: Boeing - DTS A1				Manufacturer Location: St Louis, MO			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 18			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Sep 2014	Jan 2015	Jan 2016				
Delivery Dates	Mar 2016	Jul 2016	Jul 2017				
Manufacturer Name: Boeing - DMD				Manufacturer Location: St Louis, MO			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 13			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014	Mar 2015					
Delivery Dates	Apr 2015	Apr 2016					
Manufacturer Name: Boeing - ANAV				Manufacturer Location: St Louis, MO			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 24			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2014	Mar 2015	Mar 2016				
Delivery Dates	Mar 2016	Mar 2017	Mar 2018				
Manufacturer Name: Boeing - DMD Replacement				Manufacturer Location: St Louis, MO			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 15			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jan 2015	Jan 2016				
Delivery Dates		Jun 2016	Jun 2017				

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)

Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: USSR A-Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	30 / 0.415	46 / 0.210	52 / 0.408	30 / 0.240	- / 0.000	30 / 0.240	- / -	- / -	- / -	- / -	- / -	158 / 1.273
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.138	- / -	- / -	- / -	- / -	17 / 0.138
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	30 / 0.415	46 / 0.210	52 / 0.408	30 / 0.240	- / -	30 / 0.240	17 / 0.138	- / -	- / -	- / -	- / -	175 / 1.411

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	30	11	11	12	12	26	26	-	-	8	8	7	7	4	4	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	175
Out	30	11	11	12	12	26	26	-	-	8	8	7	7	4	4	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	175

Method of Implementation: Navy Field Modification Team:: Installation Name: DTS A1 KITS (LOTS 26-29)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	4 / 0.142	33 / 2.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 2.173
FY 2014	- / -	- / -	- / -	39 / 2.442	- / -	39 / 2.442	- / -	- / -	- / -	- / -	- / -	39 / 2.442
FY 2015	- / -	- / -	- / -	16 / 1.002	- / -	16 / 1.002	28 / 1.785	- / -	- / -	- / -	- / -	44 / 2.787
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	17 / 1.084	33 / 2.110	- / -	- / -	- / -	50 / 3.194
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	4 / 0.142	33 / 2.031	55 / 3.444	- / -	55 / 3.444	45 / 2.869	33 / 2.110	- / -	- / -	- / -	170 / 10.596

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)

Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: DTS A1 KITS (LOTS 26-29)

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	4	8	8	8	9	-	10	29	16	10	9	9	17	11	11	11	-	-	-	-	-	-	-	-	-	-	170
Out	-	-	-	-	4	8	8	8	9	-	10	29	16	10	9	9	17	11	11	11	-	-	-	-	-	-	-	-	-	-	170

Method of Implementation: Navy Field Modification Team:: Installation Name: DMD A Kit (LOTS 26-29)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	35 / 1.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.225
FY 2014	- / -	- / -	20 / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.700
FY 2015	- / -	- / -	- / -	20 / 0.713	- / -	20 / 0.713	- / -	- / -	- / -	- / -	- / -	20 / 0.713
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	55 / 1.925	20 / 0.713	- / -	20 / 0.713	- / -	- / -	- / -	- / -	- / -	75 / 2.638

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	17	18	10	10	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	
Out	-	-	-	-	-	17	18	10	10	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	

Method of Implementation: Navy Field Modification Team:: Installation Name: DMD Replacement kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)

Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: DMD Replacement kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	38 / 1.354	- / -	38 / 1.354	- / -	- / -	- / -	- / -	- / -	38 / 1.354
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	57 / 2.067	- / -	- / -	- / -	- / -	57 / 2.067
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	38 / 1.354	- / -	38 / 1.354	57 / 2.067	- / -	- / -	- / -	- / -	95 / 3.421

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	19	19	-	-	28	29	-	-	-	-	-	-	-	-	-	-	-	-	-	95
Out	-	-	-	-	-	-	-	-	-	-	-	19	19	-	-	28	29	-	-	-	-	-	-	-	-	-	-	-	-	-	95

Method of Implementation: Navy Field Modification Team:: Installation Name: ANAV kit with WRA

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	2 / 0.060	48 / 1.440	32 / 0.960	- / 0.000	32 / 0.960	- / -	- / -	- / -	- / -	- / -	82 / 2.460
FY 2014	- / -	- / -	- / -	16 / 0.480	- / -	16 / 0.480	20 / 0.600	- / -	- / -	- / -	- / -	36 / 1.080
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.840	8 / 0.240	- / -	- / -	- / -	36 / 1.080
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.360	- / -	- / -	- / -	12 / 0.360
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 0.060	48 / 1.440	48 / 1.440	- / -	48 / 1.440	48 / 1.440	20 / 0.600	- / -	- / -	- / -	166 / 4.980

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Exhibit P-3a, Individual Modification: PB 2016 Navy																				Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)											
Modification Item 1 of 1: Network Centric Operations: (OSIP 001-10)																															
Installation Information																															
Method of Implementation: Navy Field Modification Team:: Installation Name: ANAV kit with WRA																															
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	-	-	-	-	2	12	12	12	12	16	16	8	8	10	10	14	14	4	4	6	6	-	-	-	-	-	-	-	-	-	166
Out	-	-	-	-	2	12	12	12	12	16	16	8	8	10	10	14	14	4	4	6	6	-	-	-	-	-	-	-	-	-	166
Method of Implementation (Organic): Not Installed - DTS A2 - A5 KITS (LOTS 26-29)																				Installation Quantity: 170											
Method of Implementation (Organic): Not Installed - A-Kits Archive																				Installation Quantity: 446											
Method of Implementation (Organic): Organic - DTS B kits (lots 26 and above)																				Installation Quantity: 418											
Method of Implementation (Organic): Organic - DTP-N B-kits																				Installation Quantity: 136											
Method of Implementation (Organic): Organic - USSR Operational RMMs																				Installation Quantity: 156											
Method of Implementation (Organic): Not Installed - DTU Kits																				Installation Quantity: 558											
Method of Implementation (Organic): Not Installed - DTU Ground Encryptor																				Installation Quantity: 518											
Method of Implementation (Organic): Not Installed - DTU Memory Modules																				Installation Quantity: 3016											
Method of Implementation (Organic): Not Installed - DTU AME Cables																				Installation Quantity: 336											
Method of Implementation (Organic): Not Installed - B-Kits Archive																				Installation Quantity: 660											
Footnotes: ⁽⁵³⁾ Install of kits procured in FY12 are delayed until FY15 due to AFC-538 being in abeyance. The abeyance was caused by kitting deficiencies and immature supply support chain.																															

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 14 / Network Centric Operations: (OSIP 001-10)
(54) DTS Kit installs were delayed due to non-availability of fleet aircraft. (55) DTU Memory Modules are procured with a quantity of 5 per aircraft. (56) Increase in FY18 is due to NRE efforts for Distributed Targeting Processor-Network (DTP-N).		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 15 / EA-18G Unique OSIP (011-10)			
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>)	17.848	22.816	22.843	10.871	-	10.871	13.805	39.017	146.341	87.708	208.613	569.862
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	17.848	22.816	22.843	10.871	-	10.871	13.805	39.017	146.341	87.708	208.613	569.862
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	17.848	22.816	22.843	10.871	-	10.871	13.805	39.017	146.341	87.708	208.613	569.862
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: With EA-18G aircraft achieving initial operational capability in FY2009, an Operational, Safety and Improvement Program (OSIP) to perform required safety of flight modifications, address obsolescence issues, and incorporate system improvements was established. Funds are required to retrofit Weapons Replaceable Assemblies (WRAs) and Shop Replaceable Assemblies (SRAs) and achieve depot standup SRA/WRA capability. Funding will support the retrofit of the ALQ-99 tactical jamming system. The Joint Tactical Terminal Receiver (JTTR) is being developed to replace the Multi-Mission Advanced Tactical Terminal (MATT) to address MATT obsolescence and capability deficiencies. OSIP funding will be used to retrofit the aircraft with JTTR at the completion of the development program. Funding will also support maintenance of a common configuration and airborne electronic attack I-level standup. This OSIP also supports the procurement and fielding of operational test program sets as support equipment in FY15 and FY16 for I-level maintenance stand up. Current Active Modifications Integrated Broadcast Service (IBS) Receiver Replacement (JTTR); H10 System Configuration Set (SCS); EA-18G Hardback; ECP 6441 - Removal/Replacement of EA-18G Antennas with Placeholders; ECP 6444 - EA-18G Weight Reduction Initiative Future Modifications ALQ-218 Modifications; EA-18G SCS DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: JTTR non-recurring engineering in FY08-13. Aircraft production A-kit buys in FY10-13 [58 aircraft (A/C)] with installs in FY11-14 (58 A/C) using Aircraft Procurement, Navy-1. Retrofit A-kit buys in FY13-15 (54 a/c) with installations in FY14-16. Retrofit B-kit procurements in FY13-FY17 with O-level installs beginning in FY15 in alignment with H-10 fleet release.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 15 / EA-18G Unique OSIP (011-10)					
Models of Systems Affected: EA-18G				Modification Type: SAFETY /RELIABILITY/ IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: EA-18G Unique OSIP (011-10)													
A Kits													
Recurring													
1.1.1) IBS Receiver Replacement - NonOrganic	18 / 1.254	18 / 1.242	18 / 1.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 3.792	
Subtotal: Recurring	- / 1.254	- / 1.242	- / 1.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.792	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 1.251	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.251	
Subtotal: Non-Recurring	- / 1.251	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.251	
B Kits													
Recurring													
2.1.1) IBS Receiver Replacement (JTTR) - Organic ⁽⁵⁷⁾	33 / 2.030	115 / 7.075	15 / 0.939	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	163 / 10.044	
2.1.2) H10 (SCS) - Organic	- / 9.920	- / 1.333	- / 0.180	- / 0.043	- / -	- / 0.043	- / 0.044	- / 0.044	- / -	- / -	- / -	- / 11.564	
2.1.3) EA-18G Hardback (ALQ-99) - Organic	- / -	19 / 2.774	39 / 6.182	22 / 3.550	- / -	22 / 3.550	17 / 2.793	- / -	- / -	- / -	- / -	97 / 15.299	
2.1.4) ECP 6441 - Removal/Replacement of Antennas w/Placeholders - Organic	- / -	36 / 1.536	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 1.536	
2.1.5) ALQ-218 Modifications - Organic ⁽⁵⁸⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 17.150	75 / 93.529	31 / 39.354	15 / 19.385	135 / 169.418	
2.1.6) EA-18G SCS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.464	- / 9.805	- / 48.560	- / 44.041	- / 188.500	- / 292.370	
2.1.7) B-Kits Archive - Organic	10 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.500	
Subtotal: Recurring	- / 13.450	- / 12.718	- / 7.302	- / 3.593	- / -	- / 3.593	- / 4.301	- / 26.999	- / 142.089	- / 83.395	- / 207.885	- / 501.732	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.904	- / 3.904	- / 2.600	- / 0.331	- / -	- / 0.331	- / 0.375	- / 0.490	- / -	- / -	- / -	- / 8.604	
Subtotal: Non-Recurring	- / 0.904	- / 3.904	- / 2.600	- / 0.331	- / -	- / 0.331	- / 0.375	- / 0.490	- / -	- / -	- / -	- / 8.604	
Subtotal: EA-18G Unique OSIP (011-10)	61 / 16.859	188 / 17.864	72 / 11.197	22 / 3.924	- / -	22 / 3.924	17 / 4.676	14 / 27.489	75 / 142.089	31 / 83.395	15 / 207.885	495 / 515.378	
Subtotal: Procurement, All Modification Items	- / 16.859	- / 17.864	- / 11.197	- / 3.924	- / -	- / 3.924	- / 4.676	- / 27.489	- / 142.089	- / 83.395	- / 207.885	- / 515.378	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.218	- / 0.615	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.016	- / -	- / -	- / 0.849	
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.172	- / 1.530	- / -	- / -	- / -	- / 1.702	
3.4) Support Equipment ⁽⁵⁹⁾	- / 0.411	- / 2.023	- / 4.399	- / 0.939	- / -	- / 0.939	- / 2.769	- / 5.837	- / -	- / -	- / -	- / 16.378	
3.5) ILS	- / 0.333	- / 0.492	- / 0.654	- / 0.666	- / -	- / 0.666	- / 0.678	- / 0.690	- / 0.702	- / 0.715	- / 0.728	- / 5.658	

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LI 0525 - F-18 Series
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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0525 / F-18 Series										Modification Number / Title: 15 / EA-18G Unique OSIP (011-10)																			
Modification Item 1 of 1: EA-18G Unique OSIP (011-10)																																							
Manufacturer Information																																							
Manufacturer Name: DRS - IBS Receiver															Manufacturer Location: Johnstown, PA																								
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 18																								
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
Contract Dates		Apr 2014				Jan 2015																																	
Delivery Dates		Jan 2016				Jan 2017																																	
Installation Information																																							
Method of Implementation: Navy Field Modification Team:: Installation Name: IBS Receiver Replacement																																							
Installation Cost		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															
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)															
Prior Years		- / -		- / -		5 / 0.410		13 / 1.079		- / 0.000		13 / 1.079		- / -		- / -		- / -		- / -		- / -		- / -		18 / 1.489													
FY 2014		- / -		- / -		- / -		11 / 0.913		- / -		11 / 0.913		7 / 0.588		- / -		- / -		- / -		- / -		- / -		18 / 1.501													
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		18 / 1.512		- / -		- / -		- / -		- / -		- / -		18 / 1.512													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
Total		- / -		- / -		5 / 0.410		24 / 1.992		- / -		24 / 1.992		25 / 2.100		- / -		- / -		- / -		- / -		- / -		54 / 4.502													
Installation Schedule																																							
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot								
In	-	-	-	-	-	-	-	2	3	6	7	6	5	7	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	54								
Out	-	-	-	-	-	-	-	2	3	6	7	6	5	7	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	54								
Method of Implementation (Organic): Organic - IBS Receiver Replacement (JTTR)																														Installation Quantity: 163									
Method of Implementation (Organic): Organic - EA-18G Hardback (ALQ-99)																														Installation Quantity: 97									
Method of Implementation (Organic): Not Installed - ECP 6441 - Removal/Replacement of Antennas w/Placeholders																														Installation Quantity: 36									

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 15 / EA-18G Unique OSIP (011-10)
Modification Item 1 of 1: EA-18G Unique OSIP (011-10)		
Installation Information		
Method of Implementation (Organic): Not Installed - ALQ-218 Modifications		Installation Quantity: 135
Method of Implementation (Organic): Not Installed - B-Kits Archive		Installation Quantity: 10
Footnotes: ⁽⁵⁷⁾ Total quantity of 163 IBS Receiver Replacement (JTTR) kits includes lab assets, which are used for software testing of upgrades. ⁽⁵⁸⁾ Quantity of 135 ALQ-218 kits includes additional EA-18G aircraft that will be delivered in FY15 and FY16. ⁽⁵⁹⁾ Funding increases in FY15 due to procurement of depot support equipment. ⁽⁶⁰⁾ In FY15, Other Support costs increase due to ramp up of NSWC Crane I-Level Fleet Support Team (FST) and airborne electronic attack FST efforts.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 16 / Power and Propulsion (11-13)			
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>	2.128	2.985	1.290	34.009	-	34.009	36.066	50.474	69.367	67.367	79.318	343.004
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.128	2.985	1.290	34.009	-	34.009	36.066	50.474	69.367	67.367	79.318	343.004
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	2.128	2.985	1.290	34.009	-	34.009	36.066	50.474	69.367	67.367	79.318	343.004
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This OSIP incorporates safety and life-limiting propulsion and power corrective actions to resolve safety and readiness concerns. Corrections to design deficiencies found during post production test and evaluation and discovered during fleet operations that have resulted in safety and reliability degradation must be corrected. The requirement to upgrade or modify the engine, system secondary power system, electrical system, and fuel systems is critical in maintaining sustainable fleet reliability, safety, and performance and is necessary to meet mission requirements. Modifications include Generator Convertor Units (GCU), GCU Peculiar Support Equipment (PSE), electrical power and secondary power systems for service life extension. Current Active Modifications: ECP 6421; ECP 5070 DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: F/A 18 EFG GCU reliability upgrade (ECP 6421) Non-recurring Engineering (NRE) is being performed using Aircraft Procurement, Navy-1 funding, and will be complete in FY15. NRE for retrofits began in FY13. Kit deliveries are scheduled for FY16. ECP 5070 (F/A-18A-D GCU silicon controlled rectifier kit) deliveries began in September 2014. ECP 6355R1 (F/A 18 A-F and EA-18G GCU PSE upgrade) NRE is complete and kits are scheduled to begin delivery in FY 15. ECP 6355 (F/A 18 A-F and EA-18G PSE modification) hardware delivery is on schedule to be completed in FY 15.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 16 / Power and Propulsion (11-13)					
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: Safety, Readiness, Reliability				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Power and Propulsion (11-13)													
B Kits													
Recurring													
2.1.1) ECP 5070 GCU SCR - Organic	- / -	468 / 1.652	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	468 / 1.652	
2.1.2) GCU Reliability Upgrade midterm (ECP 6421) Pt 3 G3/G4 - Organic	- / -	- / -	- / -	79 / 8.295	- / -	79 / 8.295	98 / 10.475	89 / 9.684	255 / 28.247	145 / 16.351	293 / 31.058	959 / 104.110	
2.1.3) GCU Reliability Upgrade midterm Pt 3 (ECP 6421) G4 - Organic	- / -	- / -	- / -	69 / 24.288	- / -	69 / 24.288	67 / 24.009	108 / 39.397	107 / 39.735	131 / 49.523	118 / 44.608	600 / 221.560	
Subtotal: Recurring	- / 0.000	- / 1.652	- / -	- / 32.583	- / -	- / 32.583	- / 34.484	- / 49.081	- / 67.982	- / 65.874	- / 75.666	- / 327.322	
Subtotal: Power and Propulsion (11-13)	- / -	468 / 1.652	- / -	148 / 32.583	- / -	148 / 32.583	165 / 34.484	197 / 49.081	362 / 67.982	276 / 65.874	411 / 75.666	2,027 / 327.322	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 1.652	- / -	- / 32.583	- / -	- / 32.583	- / 34.484	- / 49.081	- / 67.982	- / 65.874	- / 75.666	- / 327.322	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.002	- / -	- / -	- / 0.112	- / -	- / 0.112	- / -	- / -	- / -	- / 0.083	- / -	- / 0.197	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.476	- / -	- / -	- / -	- / -	- / -	- / 0.246	- / 0.032	- / -	- / -	- / -	- / 0.754	
3.5) ILS	- / -	- / 0.208	- / 0.212	- / 0.216	- / -	- / 0.216	- / 0.219	- / 0.223	- / 0.227	- / 0.231	- / 0.707	- / 2.243	
3.6) Other Support ⁽⁶¹⁾	- / 1.650	- / 1.125	- / 1.078	- / 1.098	- / -	- / 1.098	- / 1.117	- / 1.138	- / 1.158	- / 1.179	- / 2.945	- / 12.488	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 2.128	- / 1.333	- / 1.290	- / 1.426	- / -	- / 1.426	- / 1.582	- / 1.393	- / 1.385	- / 1.493	- / 3.652	- / 15.682	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	2.128	2.985	1.290	34.009	-	34.009	36.066	50.474	69.367	67.367	79.318	343.004	

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 16 / Power and Propulsion (11-13)	
Modification Item 1 of 1: Power and Propulsion (11-13)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - ECP 5070 GCU SCR					Installation Quantity: 468		
Method of Implementation (Organic): Not Installed - GCU Reliability Upgrade midterm (ECP 6421) Pt 3 G3/G4					Installation Quantity: 959		
Method of Implementation (Organic): Not Installed - GCU Reliability Upgrade midterm Pt 3 (ECP 6421) G4					Installation Quantity: 600		
Footnotes: ⁽⁶¹⁾ Other support increases in FY16 due to ramp up of GCU upgrade program.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 17 / Infrared Search and Track (IRST) (04-14)

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>)	0.000	-	75.493	107.901	-	107.901	116.669	107.078	129.829	150.126	836.783	1,523.879
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	75.493	107.901	-	107.901	116.669	107.078	129.829	150.126	836.783	1,523.879
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	75.493	107.901	-	107.901	116.669	107.078	129.829	150.126	836.783	1,523.879
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Infrared Search and Track (IRST) (Operational Requirements Document# 700-88-06) will provide the F/A-18E/F (Lot 26 and up) with an Alternative Fire Control System in a high electronic attack/radar denied environment. IRST is an evolutionary program using a two block approach. This Operational, Safety and Improvement Program (OSIP) is used to procure Block I IRST systems [Low Rate Initial Production (LRIP) I, LRIP II and Full Rate Production (FRP)] as well as Block II Engineering Change Proposal (ECP), modifications and incorporation including retrofit and forward fit. Block II modifications include changes to Infrared Receiver (IRR) and processor and any subsystem that support IRR and processor.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

IRST development began in FY2008. IRST Block I Milestone B occurred on 17 June 2011 and the Acquisition Decision Memorandum was signed 12 July 2011. Block I Milestone C is scheduled for 1st Quarter FY2015 with LRIP I Award to follow. Initial Operational Capability is scheduled for 3rd Quarter FY 2018.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 17 / Infrared Search and Track (IRST) (04-14)				
Models of Systems Affected: F/A-18 E/F				Modification Type: CAPABILITY IMPROVEMENTS				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Infrared Search and Track (IRST) (04-14)												
B Kits												
Recurring												
2.1.1) IRST B-kits (Block I) - Organic ⁽⁶²⁾	- / -	- / -	6 / 52.756	12 / 91.659	- / -	12 / 91.659	12 / 85.115	13 / 85.644	13 / 80.241	13 / 76.551	- / -	69 / 471.966
2.1.2) IRST B-kits (Block II) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	110 / 562.302	110 / 562.302
2.1.3) IRST B-Kits (Block I to Block II) - Organic ⁽⁶³⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	69 / 92.943	69 / 92.943
Subtotal: Recurring	- / 0.000	- / -	- / 52.756	- / 91.659	- / -	- / 91.659	- / 85.115	- / 85.644	- / 80.241	- / 76.551	- / 655.245	- / 1,127.211
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / 11.231	- / 1.836	- / -	- / 1.836	- / 2.553	- / 1.717	- / 22.890	- / 31.064	- / 73.147	- / 144.438
Subtotal: Non-Recurring	- / 0.000	- / -	- / 11.231	- / 1.836	- / -	- / 1.836	- / 2.553	- / 1.717	- / 22.890	- / 31.064	- / 73.147	- / 144.438
Subtotal: Infrared Search and Track (IRST) (04-14)	- / -	- / -	6 / 63.987	12 / 93.495	- / -	12 / 93.495	12 / 87.668	13 / 87.361	13 / 103.131	13 / 107.615	179 / 728.392	248 / 1,271.649
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 63.987	- / 93.495	- / -	- / 93.495	- / 87.668	- / 87.361	- / 103.131	- / 107.615	- / 728.392	- / 1,271.649
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment ⁽⁶⁴⁾	- / -	- / -	- / 0.798	- / 3.505	- / -	- / 3.505	- / 17.904	- / 8.421	- / 15.198	- / 30.804	- / 72.993	- / 149.623
3.5) ILS	- / -	- / -	- / 6.993	- / 7.119	- / -	- / 7.119	- / 7.247	- / 7.377	- / 7.510	- / 7.645	- / 14.724	- / 58.615
3.6) Other Support	- / -	- / -	- / 3.715	- / 3.782	- / -	- / 3.782	- / 3.850	- / 3.919	- / 3.990	- / 4.062	- / 20.674	- / 43.992
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / 11.506	- / 14.406	- / -	- / 14.406	- / 29.001	- / 19.717	- / 26.698	- / 42.511	- / 108.391	- / 252.230
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	75.493	107.901	-	107.901	116.669	107.078	129.829	150.126	836.783	1,523.879

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 17 / Infrared Search and Track (IRST) (04-14)	
Modification Item 1 of 1: Infrared Search and Track (IRST) (04-14)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - IRST B-kits (Block I)					Installation Quantity: 69		
Method of Implementation (Organic): Organic - IRST B-kits (Block II)					Installation Quantity: 110		
Method of Implementation (Organic): Organic - IRST B-Kits (Block I to Block II)					Installation Quantity: 69		
Footnotes: ⁽⁶²⁾ IRST kits are O-level install items and have no related install cost/schedule. ⁽⁶³⁾ Quantity of 69 "Block I to Block II" kits will convert Block I kits to Block II kits. ⁽⁶⁴⁾ Increase in SE in FY16 is due to organic depot standup.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 18 / Automated Information Systems (AIS) (OSIP 018-14)

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>	0.000	26.409	33.583	23.691	-	23.691	25.238	47.107	55.578	53.974	133.408	398.988
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	26.409	33.583	23.691	-	23.691	25.238	47.107	55.578	53.974	133.408	398.988
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	26.409	33.583	23.691	-	23.691	25.238	47.107	55.578	53.974	133.408	398.988
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) will cover F/A-18 A-D, E/F and EA-18G Automated Maintenance Environment (AME), which includes initial procurement of software licenses, data rights, and technical publication updates including Integrated Electronic Technical Manuals (IETMs). This OSIP also covers Information Assurance (IA) and Weaponeeing, Interim flight clearances, Naval Aviation Technical Information Product (NATIP) and Naval Air Training and Operating Procedures Standardization (NATOPS) (WINN). NATIP and NATOPS are permanent flight clearances. This OSIP is required to provide updated/modified data for F/A-18 and EA-18G aircrew (user's manuals, pocket guides, safety-of-flight envelopes and tactical /non-tactical system employment envelopes) associated with approved aircraft engineering changes that update/enhance aircraft operational capabilities. WINN tactical employment data developed and distributed via NATIP are mandated by Office of the Chief of Naval Operations Instructions (OPNAVINST) 3510.15. WINN non-tactical employment data developed and distributed via NATOPS are mandated by OPNAVINST 3710. This OSIP will also provide Information Assurance (IA) compliance for F/A-18 A-F and EA-18G systems by updating certification and accreditation (C&A) documentation, and future IA mandates in order to maintain the Authority to Operate (ATO) for all required C&A approval. Modifications incorporated for AME integration are authorized via associated SCS software builds, SPAWAR Program Of Record (POR) Acquisition Decision Memorandums, and Engineering Change Proposals (ECPs).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

F/A-18A-D, E/F and G NATIP: Class and unclass product development expected to be complete by end FY15 (A-D & E/F) and EA-18G end FY16/17. Additional NATIP tasking includes Infra-red Search and Track (IRST) in FY16. Updates to published classified/unclassified chapters are increasing as additional chapters are fielded and new SCS developments (25X, H10, H12) mature. F/A-18 and EA-18G NATOPS: Development is complete and updates are ongoing.

The C&A status of AME Top Tier and F-18 AME (FAME) 1.0 is as follows: AME United States Navy Top Tier has been granted an Authority to Operate (ATO) through March 2015. F/A-18 AME (FAME) has been granted an ATO with both the United States Navy (USN) and the United States Marine Corps (USMC) until 15 July 2016.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 18 / Automated Information Systems (AIS) (OSIP 018-14)				
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: Safety				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> Automated Information Systems (AIS) (OSIP 018-14)												
B Kits												
Recurring												
2.1.1) Automated Maintenance Environment (AME) software mod - Organic	- / -	- / 15.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.747
<i>Subtotal: Recurring</i>	- / 0.000	- / 15.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.747
<i>Subtotal: Automated Information Systems (AIS) (OSIP 018-14)</i>	- / -	- / 15.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.747
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 15.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.747
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Software ⁽⁶⁵⁾	- / -	- / -	- / 21.424	- / 15.656	- / -	- / 15.656	- / 17.059	- / 26.409	- / 31.802	- / 29.770	- / 37.585	- / 179.705
3.3) Data ⁽⁶⁶⁾	- / -	- / 5.104	- / 7.046	- / 1.013	- / -	- / 1.013	- / 1.031	- / 13.421	- / 16.368	- / 16.663	- / 57.455	- / 118.101
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) ILS	- / -	- / 0.522	- / 0.531	- / 0.541	- / -	- / 0.541	- / 0.551	- / 0.561	- / 0.571	- / 0.581	- / 2.854	- / 6.712
3.7) Other Support	- / -	- / 5.036	- / 4.582	- / 6.481	- / -	- / 6.481	- / 6.597	- / 6.716	- / 6.837	- / 6.960	- / 35.514	- / 78.723
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 0.000	- / 10.662	- / 33.583	- / 23.691	- / -	- / 23.691	- / 25.238	- / 47.107	- / 55.578	- / 53.974	- / 133.408	- / 383.241
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	26.409	33.583	23.691	-	23.691	25.238	47.107	55.578	53.974	133.408	398.988

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 18 / Automated Information Systems (AIS) (OSIP 018-14)	
Modification Item 1 of 1: Automated Information Systems (AIS) (OSIP 018-14)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		
Footnotes: ⁽⁶⁵⁾ (A) Funding for software was realigned from the Data cost element to a new Software cost element for accuracy. (B) Software funding is for the AME system, a suite of integrated software applications in support of operational level maintenance for F/A-18A-F and EA-18G. The modifications to the software are driven by the ADM from the Naval Tactical Command Support Systems program Optimized Organization Maintenance Activity (OOMA) release 831-01.05.11 policy/guidance directing F/A-18 and EA-18G to modify F/A-18 AME software release that integrates with OOMA/Naval Aviation Logistics Command Management Information System (NALCOMIS) software. (C) Funding varies each year due to the PMA265 re-accreditation process which is required to receive certification for ATO for F/A-18 A-F and EA-18G aircraft. ⁽⁶⁶⁾ (A) Funding for Data cost element is required due to the transition of technical publication data and IETMs from several OSIPs into this OSIP. Technical publications data and IETMS modifications driven by AME and SCS software upgrades will be reflected in this OSIP. ECP driven technical data changes will be annotated per specific OSIPs. (B) FY15 costs increase due to no concurrency with in-production aircraft.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Modification Number / Title: 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)

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>)	0.000	9.901	11.051	11.057	-	11.057	11.344	56.750	89.240	83.977	1,133.442	1,406.762
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	0.000	9.901	11.051	11.057	-	11.057	11.344	56.750	89.240	83.977	1,133.442	1,406.762
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	0.000	9.901	11.051	11.057	-	11.057	11.344	56.750	89.240	83.977	1,133.442	1,406.762
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Incorporation of structural and sub-systems enhancements and changes are required to extend the F/A-18E/F and EA-18G service life and maintain sufficient aircraft inventory to meet fleet operational requirements through FY2043. Structural enhancements and changes include resolution of discrepancies identified as a result of Service Life Assessment Program (SLAP) analysis and in-service experience. These enhancements and changes include: modifications to allow the entire airframe and aircraft sub-systems to extend flight hours and modifications to ensure landing gear, catapult and attachment components can extend total landings. The unacceptable alternative to retrofitting would be the failure to reach full fatigue life for these aircraft and to not correct the structural defects discovered on fatigue test articles. In many cases, the mission capability of the aircraft would be adversely affected in addition to its reduced service life. As a result, aircraft may be prematurely removed from useful service. SLAP analyzes the critical structural and sub-system areas to determine crack initiation, and then Service Life Extension Program (SLEP) will produce Engineering Change Proposals (ECPs) for life limited locations.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Currently all Lot 21 through 38 aircraft have service life limits established by the F/A-18 and EA-18G Service Life Bulletin without the service life management plan modifications to extended the service life. Boeing and Northrop Grumman Corporation are currently in work performing structures and sub-systems SLAP. As SLAP analysis is completed, "hot spots" will be reviewed and analyzed under SLEP to determine the best approach for extending specific areas of concern. McDonnell Douglas Corporation, Northrop Grumman Corporation and organic Fleet Support Team (FST) will begin non-recurring engineering for ECPs to modify these aircraft to restore the airframe and subsystems to full life beginning in FY 14. SLAP Phase B for subsystems completed 16 September 2013. SLAP Phase B for structures is projected to complete FY 19.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)				
Models of Systems Affected: F/A-18E/F and EA-18G				Modification Type: SAFETY / LIFE EXTENSION				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: F/A-18E/F and EA-18G SLEP (OSIP 020-14)												
A Kits												
Recurring												
1.1.1) ECP-XXX1: Hydraulic systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.180	10 / 0.229	119 / 2.775	137 / 3.184
1.1.2) ECP-XXX2: Landing Gear Systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.180	10 / 0.229	405 / 9.444	423 / 9.853
1.1.3) ECP-XXX3: Fuel Delivery Systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	4 / 0.090	- / -	4 / 0.090	35 / 0.802	35 / 0.816	45 / 1.068	10 / 0.242	121 / 2.977	250 / 5.995
1.1.4) ECP-XXX4: Environmental Control Systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.180	10 / 0.229	852 / 19.868	870 / 20.277
1.1.5) ECP-XXX5: Mechanical Systems - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.180	10 / 0.229	482 / 11.240	500 / 11.649
1.1.6) ECP-XXX6: Block 1 Forward Fuselage - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.180	10 / 0.229	1,722 / 40.156	1,740 / 40.565
1.1.7) ECP-XXX7: Block 2 Forward Fuselage - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.090	10 / 0.115	542 / 6.319	560 / 6.524
1.1.8) ECP-XXX8: Flight Controls - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.296	10 / 0.377	542 / 20.782	560 / 21.455
1.1.9) ECP-XXX9: CRI Outer Wing - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.072	10 / 0.092	1,102 / 10.278	1,120 / 10.442
1.1.10) ECP-XX10: Center Fuselage - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.400	45 / 2.291	10 / 0.518	497 / 26.216	560 / 29.425
1.1.11) ECP-XX11: AFT Fuselage - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.480	45 / 2.749	10 / 0.622	497 / 31.459	560 / 35.310
1.1.12) ECP-XX12: Vertical Tail - AFC-XXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.100	45 / 0.573	10 / 0.130	497 / 6.554	560 / 7.357
1.1.13) ECP-XX13: Environmental Control Systems - AFCXXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.480	45 / 2.749	10 / 0.622	497 / 31.459	560 / 35.310
1.1.14) ECP-XX14: Mechanical Systems - AFCXXX - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.100	45 / 0.573	10 / 0.130	497 / 6.554	560 / 7.357
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.090	- / -	- / 0.090	- / 0.802	- / 2.376	- / 11.361	- / 3.993	- / 226.081	- / 244.703
Non-Recurring												
1.2.1) Installation Kit N/R - Organic ⁽⁶⁷⁾	- / -	- / 8.645	- / 9.244	- / 9.304	- / -	- / 9.304	- / 7.733	- / 32.503	- / 51.149	- / 36.576	- / 99.271	- / 254.425
Subtotal: Non-Recurring	- / 0.000	- / 8.645	- / 9.244	- / 9.304	- / -	- / 9.304	- / 7.733	- / 32.503	- / 51.149	- / 36.576	- / 99.271	- / 254.425
Subtotal: F/A-18E/F and EA-18G SLEP (OSIP 020-14)	- / -	- / 8.645	- / 9.244	4 / 9.394	- / -	4 / 9.394	35 / 8.535	75 / 34.879	334 / 62.510	140 / 40.569	8,372 / 325.352	8,960 / 499.128

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)				
Models of Systems Affected: F/A-18E/F and EA-18G				Modification Type: SAFETY / LIFE EXTENSION				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Subtotal: Procurement, All Modification Items												
Support (All Modification Items)												
3.1) Engineering Change Orders												
3.2) Data												
3.3) Training Equipment												
3.4) Support Equipment												
3.5) ILS ⁽⁶⁸⁾												
3.6) Other Support ⁽⁶⁹⁾												
3.7) Interim Contractor Support												
Subtotal: Support												
Installation												
Modification Item 1 of 1: F/A-18E/F and EA-18G SLEP (OSIP 020-14)												
Subtotal: Installation												
Total												
Total Cost (Procurement + Support + Installation)												

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)		

Modification Item 1 of 1: F/A-18E/F and EA-18G SLEP (OSIP 020-14)

Manufacturer Information

Manufacturer Name: Boeing - ECP-XXX1 - ECP XX12				Manufacturer Location: St Louis, MO			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 8			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates			Sep 2016	Sep 2017	Sep 2018	Sep 2019	Sep 2020

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: SLEP Installs

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.202	- / -	- / -	- / -	- / -	4 / 0.202
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.799	- / -	- / -	- / -	35 / 1.799
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 4.152	- / -	- / -	75 / 4.152
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	334 / 20.786	- / -	334 / 20.786
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	140 / 10.030	140 / 10.030
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8,372 / 706.699	8,372 / 706.699
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.202	35 / 1.799	75 / 4.152	334 / 20.786	8,512 / 716.729	8,960 / 743.668

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	17	18	-	-	37	38	-	-	164	170	-	-	8,512	8,960
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	17	18	-	-	37	38	-	-	164	170	-	-	8,512	8,960

Footnotes:

⁽⁶⁷⁾ Funding increase in FY18 is due to ramp up of non-recurring engineering efforts for SLEP ECPs.

⁽⁶⁸⁾ Funding increase in FY18 is due to ramp up of SLEP efforts.

⁽⁶⁹⁾ Funding increase in FY18 is due to ramp up of SLEP efforts.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 20 / Priority Stores Integration (OSIP 10-16)				

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>	0.000	-	-	14.323	-	14.323	13.817	11.824	16.181	15.714	51.533	123.392
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	14.323	-	14.323	13.817	11.824	16.181	15.714	51.533	123.392
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	14.323	-	14.323	13.817	11.824	16.181	15.714	51.533	123.392
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The purpose of this Operational Safety Improvement Program (OSIP) is to facilitate aircraft capability upgrades to carry priority stores for F/A-18A-F and EA-18G aircraft. Priority Stores Integration contains fleet required air to air and air to ground weapon configurations upgrades to support fleet requirements provided by OPNAV N98 and Commander, Naval Air Forces. This OSIP will provide F/A-18 and EA-18G aircraft weapon systems software and aeromechanical hardware upgrades needed during fleet operations to ensure that mission readiness and safety of flight regimes are maintained. It will also allow for weapon capability expansion through engineering, logistics, obsolescence updates and verification and validation of incorporated engineering changes. Specifically this will provide mission flexibility by updating System Configuration Set (SCS) software in response to weapon software upgrades and weapon carriage and release characteristics.

Hardware and software modifications may be incorporated for the following efforts: Air Intercept Missile (AIM)-7, AIM-120, AIM-9, Joint Standoff Weapon (JSOW), Joint Direct Attack Munition (JDAM), Laser JDAM (LJDAM), Guided Bomb Unit (GBU)-10/12/16/24, Harpoon, Standoff Land Attack Missile Extended Range (SLAM-ER), underwater time bomb mines, aerial weapon fuzes, High Speed Anti-Radiation Missile (HARM), Advanced Anti-Radiation Guided Missile (AARGM), aircraft rocket systems, Advanced Guided Missile (AGM)-65 Maverick, M61 aerial rotary cannon, ALQ-99, ALQ-218, ALE-43, Cluster Bomb Units (CBUs), aerial countermeasure flares and smoke emitters, General Purpose (GP) bombs, Laser Guided Training Rounds (LGTRs), Small Diameter Bomb (SDB)-II, the Offensive Anti Surface Warfare (OASuW), the Miniature Air Launched Decoy (MALD), Next Generation Jammer (NGJ) pod, Bomb Releasable Unit (BRU)-32, BRU-55, Launcher Ariel Unit (LAU)-127, LAU-116, LAU-115, LAU-118, LAU-117, Adapter Unit (ADU)-779, SUU-78, SUU-79 and the SUU-80. This OSIP will provide aircraft platform growth flexibility with all future weapons and weapon subsystem upgrades to F/A-18A-F and EA-18G aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Weapons are procured with Weapons Procurement, Navy (WPN) funding. Hardware and software modifications to the aircraft in order to utilize the weapons are funded with APN-5.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series				Modification Number / Title: 20 / Priority Stores Integration (OSIP 10-16)					
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: CAPABILITY IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Priority Stores Integration (OSIP 10-16)													
A Kits													
Recurring													
1.1.1) ECP XXXA - LAU-115 - Organic	- / -	- / -	- / -	616 / 0.250	- / -	616 / 0.250	616 / 0.250	- / -	- / -	- / -	- / -	1,232 / 0.500	
1.1.2) ECP XXXB - LAU-116 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,232 / 0.518	- / -	- / -	- / -	1,232 / 0.518	
1.1.3) ECP XXXC - LAU-127 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	616 / 0.528	616 / 0.537	- / -	1,232 / 1.065	
1.1.4) ECP XXXD - SUU-78 - Organic	- / -	- / -	- / -	616 / 0.250	- / -	616 / 0.250	616 / 0.250	- / -	- / -	- / -	- / -	1,232 / 0.500	
1.1.5) ECP XXXE - SUU-79 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,232 / 0.518	- / -	- / -	- / -	1,232 / 0.518	
1.1.6) ECP XXXF - SUU-80 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	616 / 0.527	616 / 0.536	- / -	1,232 / 1.063	
1.1.7) ECP XXXG - M61 Gun - Organic	- / -	- / -	- / -	616 / 0.500	- / -	616 / 0.500	616 / 0.518	- / -	- / -	- / -	- / -	1,232 / 1.018	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000	- / 1.018	- / 1.036	- / 1.055	- / 1.073	- / -	- / 5.182	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / -	- / -	- / -	- / 5.061	- / -	- / 5.061	- / 3.662	- / 4.494	- / 4.404	- / 3.726	- / 18.462	- / 39.809	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 5.061	- / -	- / 5.061	- / 3.662	- / 4.494	- / 4.404	- / 3.726	- / 18.462	- / 39.809	
B Kits													
Recurring													
2.1.1) 27C ZAP Algorithm - Organic	- / -	- / -	- / -	- / 0.120	- / -	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / 0.120	
2.1.2) 29C (SCS) - Organic	- / -	- / -	- / -	- / 1.609	- / -	- / 1.609	- / 1.821	- / -	- / -	- / -	- / -	- / 3.430	
2.1.3) 31C (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.722	- / 2.869	- / 2.921	- / 14.345	- / 20.857	
2.1.4) H14 (SCS) - Organic	- / -	- / -	- / -	- / 1.621	- / -	- / 1.621	- / 2.315	- / -	- / -	- / -	- / -	- / 3.936	
2.1.5) H16 (SCS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.481	- / 2.671	- / 2.719	- / 13.355	- / 19.226	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 3.350	- / -	- / 3.350	- / 4.136	- / 1.203	- / 5.540	- / 5.640	- / 27.700	- / 47.569	
Subtotal: Priority Stores Integration (OSIP 10-16)	- / -	- / -	- / -	1,848 / 9.411	- / -	1,848 / 9.411	1,848 / 8.816	2,464 / 6.733	1,232 / 10.999	1,232 / 10.439	- / 46.162	8,624 / 92.560	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 9.411	- / -	- / 9.411	- / 8.816	- / 6.733	- / 10.999	- / 10.439	- / 46.162	- / 92.560	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / -	- / -	- / -	- / 0.383	- / -	- / 0.383	- / 0.390	- / 0.397	- / 0.404	- / 0.411	- / 0.419	- / 2.404	
3.6) Other Support	- / -	- / -	- / -	- / 4.529	- / -	- / 4.529	- / 4.611	- / 4.694	- / 4.778	- / 4.864	- / 4.952	- / 28.428	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 20 / Priority Stores Integration (OSIP 10-16)			
Models of Systems Affected: F/A-18A-F and EA-18G				Modification Type: CAPABILITY IMPROVEMENT				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.7) Interim Contractor Supoprt	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / 4.912	- / -	- / 4.912	- / 5.001	- / 5.091	- / 5.182	- / 5.275	- / 5.371	- / 30.832	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	14.323	-	14.323	13.817	11.824	16.181	15.714	51.533	123.392	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 20 / Priority Stores Integration (OSIP 10-16)	
Modification Item 1 of 1: Priority Stores Integration (OSIP 10-16)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - ECP XXXA - LAU-115					Installation Quantity: 1232		
Method of Implementation (Organic): Organic - ECP XXXB - LAU-116					Installation Quantity: 1232		
Method of Implementation (Organic): Organic - ECP XXXC - LAU-127					Installation Quantity: 1232		
Method of Implementation (Organic): Organic - ECP XXXD - SUU-78					Installation Quantity: 1232		
Method of Implementation (Organic): Organic - ECP XXXE - SUU-79					Installation Quantity: 1232		
Method of Implementation (Organic): Organic - ECP XXXF - SUU-80					Installation Quantity: 1232		
Method of Implementation (Organic): Organic - ECP XXXG - M61 Gun					Installation Quantity: 1232		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series					Modification Number / Title: 21 / Inactive OSIPs			
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>	265.409	-	-	-	-	-	-	-	-	-	-	265.409
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	265.409	-	-	-	-	-	-	-	-	-	-	265.409
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	265.409	-	-	-	-	-	-	-	-	-	-	265.409
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0525 / F-18 Series						Modification Number / Title: 21 / Inactive OSIPs			
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: N/A													
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
3.1) Inactive OSIPs	- / 265.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 265.409	
Subtotal: Support	- / 265.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 265.409	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	265.409	-	-	-	-	-	-	-	-	-	-	265.409	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0525 / F-18 Series			Modification Number / Title: 21 / Inactive OSIPs		
<i>Modification Item 1 of 1:</i> N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation					Installation Quantity: 0		

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

Appropriation / Budget Activity / Budget Sub Activity:

1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1:
Modification of Aircraft

P-1 Line Item Number / Title:

0526 / H-46 Series

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>	737.189	2.033	0.480	-	-	-	-	-	-	-	-	739.702
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	737.189	2.033	0.480	-	-	-	-	-	-	-	-	739.702
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	737.189	2.033	0.480	-	-	-	-	-	-	-	-	739.702
<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>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the H-46 aircraft. The H-46 is a twin-turbine powered dual-piloted tandem-rotor helicopter. The cabin contains provisions for accommodating 25 troops and crew members. The cabin also contains an integral cargo and rescue system. The overall goal of the modification budget in FY 2015 is to keep the H-46 a viable platform while a replacement aircraft is being fielded. H-46 helicopters are used by the Marine Corps for troop transport and search and rescue missions. United States Marine Corps inventory: total (17) aircraft: (8) CH-46E active + (4) HH-46E active + (5) CH-46E reserve aircraft. Average age of aircraft (as of December 2013) is currently 47 years (or 12,010 hours). Design service life is 17,500 hours.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0526 / H-46 Series

ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / H-46 GASSP (018-07) (SAFETY (HONA Category A))	P-3a		- / 185.602	- / 2.033	- / 0.480	- / -	- / -	- / -
2 / INACTIVE OSIPS ()	P-3a		- / 551.587	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 737.189	- / 2.033	- / 0.480	- / -	- / -	- / -
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / H-46 GASSP (018-07) (SAFETY (HONA Category A))	P-3a		- / -	- / -	- / -	- / -	- / -	- / 188.115
2 / INACTIVE OSIPS ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 551.587
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 739.702

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

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

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0526 / H-46 Series	Modification Number / Title: 1 / H-46 GASSP (018-07)

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>)	185.602	2.033	0.480	-	-	-	-	-	-	-	-	188.115
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	185.602	2.033	0.480	-	-	-	-	-	-	-	-	188.115
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	185.602	2.033	0.480	-	-	-	-	-	-	-	-	188.115

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

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

Description:

Provides targeted initiatives to remedy the top age-related safety and reliability issues engineered to address the heavy wear-and-tear effects of high-tempo Overseas Contingency Operations (400% of planned utilization rate) on CH-46 airframes and subsystems in order to ensure safe, reliable and effective aircraft operation throughout the United States Marine Corps Medium Lift transition period.

This Operational, Safety and Improvement Program will execute multiple Engineering Change Packages (ECPs), grouped in three sequential Block upgrades (A, B, and C). Elements within each Block upgrade have been grouped by similar complexities and lead times.

Specific ECPs:

1. Redesign and modernize wiring harnesses in airframe areas subject to high levels of heat, sand contamination and/or vibration.
2. Redesign and modernize hydraulics subsystems using common or Commercial Off The Shelf (COTS) components.
3. Redesign and improve portions of airframe structure subject to high levels of fatigue, corrosion and other stress.
4. Improve and modernize critical avionics, Aircraft Survival Equipment and other aircraft systems to resolve obsolescence, reliability or safety issues using common, previously qualified or COTS solutions.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

All installations (Block A, B, and C) are complete.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0526 / H-46 Series				Modification Number / Title: 1 / H-46 GASSP (018-07)					
Models of Systems Affected: H-46 Series				Modification Type: SAFETY (HONA Category A)				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: H-46 GASSP (018-07)													
A Kits													
Recurring													
1.1.1) GASSP Block A (A-Kit) - NonOrganic	371 / 13.356	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	371 / 13.356	
1.1.2) GASSP Block B (A-Kit) - NonOrganic	146 / 4.645	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	146 / 4.645	
1.1.3) GASSP Block C (A-Kit) - NonOrganic	268 / 25.453	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	268 / 25.453	
1.1.4) GASSP Kits (IMP Mod) - NonOrganic	190 / 5.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	190 / 5.492	
Subtotal: Recurring	- / 48.946	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.946	
Non-Recurring													
1.2.1) NRE - Organic	- / 6.582	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.832	
Subtotal: Non-Recurring	- / 6.582	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.832	
B Kits													
Recurring													
2.1.1) Installation Equipment - Organic ⁽¹⁾	8,865 / 53.684	1,290 / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10,155 / 54.584	
Subtotal: Recurring	- / 53.684	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 54.584	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	1 / 10.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.952	
Subtotal: Non-Recurring	- / 10.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.952	
Subtotal: H-46 GASSP (018-07)	9,841 / 120.164	1,290 / 1.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11,131 / 121.314	
Subtotal: Procurement, All Modification Items	- / 120.164	- / 1.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 121.314	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 1.656	- / 0.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.838	
3.3) Training Equipment	8 / 0.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.492	
3.4) Support Equipment	- / 9.196	- / 0.156	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.352	
3.5) ILS	- / 2.104	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.104	
3.6) Other Support ⁽²⁾	- / 35.708	- / 0.545	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.733	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 49.156	- / 0.883	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.519	
Installation													
Modification Item 1 of 1: H-46 GASSP (018-07)	- / 16.282	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.282	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0526 / H-46 Series										Modification Number / Title: 1 / H-46 GASSP (018-07)																			
Modification Item 1 of 1: H-46 GASSP (018-07)																																							
Manufacturer Information																																							
Manufacturer Name: Block C Mfg - PIF															Manufacturer Location: Huntsville, Alabama																								
Administrative Leadtime (in Months): 5															Production Leadtime (in Months): 1																								
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
Contract Dates																																							
Delivery Dates																																							
Installation Information																																							
Method of Implementation: Contractor Field Mod Team:: Installation Name: GASSP Installs																																							
Installation Cost		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															
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)															
Prior Years		927 / 16.282		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		927 / 16.282													
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
Total		927 / 16.282		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		927 / 16.282													
Installation Schedule																																							
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	927								
Out	927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	927								
Method of Implementation (Organic): Organic - Installation Equipment																														Installation Quantity: 10155									
Method of Implementation (Organic): Organic - Installation Equipment N/R																														Installation Quantity: 1									
Footnotes:																																							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0526 / H-46 Series	Modification Number / Title: 1 / H-46 GASSP (018-07)
(1) It has been determined that Depot level processing of Rotorheads (plating process) has caused cracks in stainless steel components. FY13 submission included NRE funding to qualify new rotorhead bearings and liners which will eliminate the need for plating of susceptible rotorhead components. FY14 baseline funding includes the procurement of new design liners and bearings. Installations will be accomplished concurrent with rotorhead Depot level overhaul/repair. (2) Due to sensitivity of rotorhead plating induced cracks. Additional surveillance program initiatives have been implemented to ensure fleet safety for both the rotorhead and GASSP changes to the flight control systems and hydraulics.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0526 / H-46 Series					Modification Number / Title: 2 / INACTIVE OSIPS			
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>	551.587	-	-	-	-	-	-	-	-	-	-	551.587
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	551.587	-	-	-	-	-	-	-	-	-	-	551.587
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	551.587	-	-	-	-	-	-	-	-	-	-	551.587
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0526 / H-46 Series				Modification Number / Title: 2 / INACTIVE OSIPS					
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: INACTIVE OSIPS													
A Kits													
Recurring													
1.1.1) Inactive OSIP Total - Organic	- / 551.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 551.587	
Subtotal: Recurring	- / 551.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 551.587	
Subtotal: INACTIVE OSIPS	- / 551.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 551.587	
Subtotal: Procurement, All Modification Items	- / 551.587	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 551.587	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	551.587	-	-	-	-	-	-	-	-	-	-	551.587	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0526 / H-46 Series			Modification Number / Title: 2 / INACTIVE OSIPS		
Modification Item 1 of 1: INACTIVE OSIPS							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0528 / H-53 Series					
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>)	1,416.203	53.172	36.619	46.887	-	46.887	47.454	34.331	24.370	31.764	157.121	1,847.921
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,416.203	53.172	36.619	46.887	-	46.887	47.454	34.331	24.370	31.764	157.121	1,847.921
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,416.203	53.172	36.619	46.887	-	46.887	47.454	34.331	24.370	31.764	157.121	1,847.921
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:
 DESCRIPTION: This line item funds modifications to the CH-53E - 149 and MH-53E - 28 aircraft. The aircraft inventories to be modified vary by Operational, Safety, and Improvement Program, dependent on kit modification production lead-time. The CH-53E is a seven blade main rotor and a four-blade canted tail rotor helicopter powered by three T64-GE-416/416A/419 turbo shaft engines. The CH-53E aircraft are capable of both land and ship based transport of heavy equipment, supplies, and personnel. The MH-53E is similar to the CH-53E with additional capabilities for Airborne Mine Countermeasures, Vertical On-Board Delivery, and Special Missions which require longer range and more precise navigation than that of the CH-53E. The overall goal of the modifications budgeted in FY16 is increased communication and navigation, integrated mechanical diagnostics and condition based maintenance, propulsion and power, degraded visual environment mitigation, survivability and sustainment initiatives, and fleet operation and safety performance in the H-53 community.

Due to program priorities FY16 funding was realigned from Nacelles (09-01) to Sustainment (08-06) to accelerate Kapton kit installations to address a known fire safety hazard.

The H-53E number 1 & number 3 engine Nacelles are a safety risk due to Things Falling Off Aircraft (TFOA). To date (84) TFOA occurrences have occurred (12 in the last 3 years) on the H-53E aircraft. Of the (84) occurrences, (10) have impacted the Tail Rotor. The H-53E Engine Nacelles have become a top Direct Maintenance Man Hour driver in the fleet. This procurement would improve fleet safety and readiness. Under H-53 Avionics (31-12) additional Critical Survivability Upgrades will be installed as well as the procurement of H-53 Smart Multi-Function Color Display (SMFCD). This request will provide procurement and installation for forward deployed aircraft with integrated form, fit solution for display of Blue Force Tracker (BFT), Forward Looking Infrared with intuitive hover display, moving map and real time threat display for aircraft Survival Equipment suite in an SMFCD. Non-recurring engineering will commence this year to upgrade the MH-53E antiquated cockpit with critical required safety and avionics upgrades, providing increased Situational Awareness and mission efficiency with minefield, Blue Force Tracker, Area Navigation RNAV, map and hover displays. Also commencing in FY16, is the non-recurring engineering and kit procurement for the MH Embedded Positioning System/Inertial Navigation System (EGI) that will allow the MH-53E to utilize the full capability of the APX-123 transponder.

Notes:

1. Installs are delayed throughout OSIPs due to aircraft availability.

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0528 / H-53 Series

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

2. Critical Systems Upgrade (CSU) is comprised of BFT kits, Satellite Communications (SATCOM) 1851A radios, advanced digital antenna production, Heads Up Display (HUD) software, controlled display navigation unit and software upgrades in support of the Visually Degraded Environment (VDE) solution. VDE A-kits procured in archived VDE OSIP 20-07 with FY10 OCO are occurring simultaneously with BFT/CSU installs. Due to 6 mishaps, installation is now 149 plus the 10 trainers. Installs, QTY (58) will occur in OSIP 15-05 beginning FY13 with FY11/FY12 OCO funding. Remaining installs QTY(101) will complete under Avionics OSIP 31-12.

3. Beginning FY15, Navy active and Navy reserve aircraft costs are separately identified in the budget exhibits. 143 active CH-53E, 6 reserve CH-53E, 21 active MH-53E and 7 reserve MH-53E aircraft comprise the H-53 fleet.

Historically, Navy active and Navy reserve funds have been budgeted to provide capability to all 177 H-53 aircraft.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Navy	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.320	15.976	38.724	-	38.724	44.575	29.590	19.665	26.944
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	40.852	20.643	8.163	-	8.163	2.879	4.741	4.705	4.820
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	53.172	36.619	46.887	-	46.887	47.454	34.331	24.370	31.764

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0528 / H-53 Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / ATTN. TRP SEATS (OSIP 020-97) (SAFETY)	P-3a		- / 53.465	- / 0.024	- / 0.024	- / 0.005	- / -	- / 0.005
2 / INTEGRATED MECH DIAG (OSIP 007-98) (SAFETY, READINESS, AND MAINTAINABILITY)	P-3a		- / 157.722	- / 6.433	- / 4.580	- / 4.693	- / -	- / 4.693
3 / NACELLES (OSIP 009-01) (MISSION/MISSION ENHANCEMENT)	P-3a		- / 16.639	- / 9.944	- / 8.887	- / 7.539	- / -	- / 7.539
4 / H-53 ERIIP (OSIP 010-05) (SAFETY, READINESS AND MAINTAINABILITY)	P-3a		- / 177.969	- / 0.382	- / 1.898	- / 1.238	- / -	- / 1.238
5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac) (SAFETY, READINESS AND MAINTAINABILITY)	P-3a		- / 138.798	- / 0.660	- / 0.275	- / -	- / -	- / -
6 / H-53 A/C SUSTAINMENT (OSIP 008-06) (MISSION/PERFORMANCE SUSTAINMENT)	P-3a		- / 220.315	- / 24.435	- / 14.014	- / 14.239	- / -	- / 14.239
7 / DIRCM (OSIP 010-08) (MISSION/PERFORMANCE SUSTAINMENT)	P-3a		- / 204.817	- / 1.004	- / 0.970	- / 0.218	- / -	- / 0.218
8 / H-53 AVIONICS (OSIP 031-12) (MISSION/PERFORMANCE SUSTAINMENT)	P-3a		- / 5.701	- / 10.290	- / 5.971	- / 18.955	- / -	- / 18.955
9 / Archived OSIPS (Various)	P-3a		- / 440.777	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 1,416.203	- / 53.172	- / 36.619	- / 46.887	- / -	- / 46.887
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / ATTN. TRP SEATS (OSIP 020-97) (SAFETY)	P-3a		- / 0.003	- / -	- / -	- / -	- / -	- / 53.521
2 / INTEGRATED MECH DIAG (OSIP 007-98) (SAFETY, READINESS, AND MAINTAINABILITY)	P-3a		- / 5.012	- / 6.484	- / 2.496	- / 1.986	- / 3.996	- / 193.402
3 / NACELLES (OSIP 009-01) (MISSION/MISSION ENHANCEMENT)	P-3a		- / 7.640	- / 8.599	- / 3.185	- / 2.723	- / 0.320	- / 65.476
4 / H-53 ERIIP (OSIP 010-05) (SAFETY, READINESS AND MAINTAINABILITY)	P-3a		- / 1.357	- / 0.851	- / 1.389	- / 1.420	- / 3.975	- / 190.479
5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac) (SAFETY, READINESS AND MAINTAINABILITY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 139.733
6 / H-53 A/C SUSTAINMENT (OSIP 008-06) (MISSION/PERFORMANCE SUSTAINMENT)	P-3a		- / 13.580	- / 7.927	- / 4.713	- / 6.317	- / 97.658	- / 403.198
7 / DIRCM (OSIP 010-08) (MISSION/PERFORMANCE SUSTAINMENT)	P-3a		- / -	- / -	- / -	- / 1.142	- / 2.158	- / 210.309
8 / H-53 AVIONICS (OSIP 031-12) (MISSION/PERFORMANCE SUSTAINMENT)	P-3a		- / 19.862	- / 10.470	- / 12.587	- / 18.176	- / 49.014	- / 151.026
9 / Archived OSIPS (Various)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 440.777
Total Gross/Weapon System Cost			- / 47.454	- / 34.331	- / 24.370	- / 31.764	- / 157.121	- / 1,847.921
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: The FY 2016 funding request was reduced by \$4.1 million to account for the availability of prior year execution balances								

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 1 / ATTEN. TRP SEATS (OSIP 020-97)			
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>	53.465	0.024	0.024	0.005	-	0.005	0.003	-	-	-	-	53.521
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	53.465	0.024	0.024	0.005	-	0.005	0.003	-	-	-	-	53.521
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	53.465	0.024	0.024	0.005	-	0.005	0.003	-	-	-	-	53.521
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Utility and Troop transport mission increasing in importance. Current troop/passenger seats are 1950 generation. Design does not provide impact protection of current rotorcraft seat designs. The impulsive type loading experienced during survivable mishaps produces amplified seat/floor anchor loads and potentially injurious occupant decelerations. Due to this operational deficiency, NDI crashworthy troop seat program established. Non-Developmental Item are lightweight off-the-shelf seats that provide protection by limiting an occupants inertial loading to survivable levels by attenuating impact forces to below survivable ranges and enables the occupant to rapidly egress a downed aircraft are being sought. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Funding provided non-recurring engineering, qualification, initial procurement, support and installs for Crash Attenuating Crew Chief Seat (CACCS) for all H-53 Type/Model/Series helicopters. CACCS also requires a redesigned Cruise box for the MH-53E. Notes: 1. CACCS was incorrectly listed as B kit and has been updated to reflect A kit procurement and install schedule. Install dollars required through FY17. Due to early sundown of CH-53D, QTY (22) CACCS installs will not be completed. 2. MH-53E CATSS Kits correctly reflects prior year procurement of (5) vice (4). 3. CACCS installs delayed due to aircraft unavailability. 4. (QTY) 219 CACCS procured. (QTY) 197 will be installed due to installs not completed prior to retirement of CH-53D.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 1 / ATTEN. TRP SEATS (OSIP 020-97)				
Models of Systems Affected: CH-53E (149), MH-53E (28), 177 Total				Modification Type: SAFETY					Related RDT&E PEs:				
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> ATTEN. TRP SEATS (OSIP 020-97)													
A Kits													
Recurring													
1.1.1) MH-53E CATSS Kits - NonOrganic	5 / 0.630	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.630	
1.1.2) Crew Chief Seats (CACCS) - NonOrganic ⁽¹⁾	219 / 1.854	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	219 / 1.854	
1.1.3) Archived ECP's OSIP 20-97 - Organic	514 / 26.924	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	514 / 26.924	
<i>Subtotal: Recurring</i>	- / 29.408	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.408	
<i>Subtotal: ATTEN. TRP SEATS (OSIP 020-97)</i>	738 / 29.408	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	738 / 29.408	
<i>Subtotal: Procurement, All Modification Items</i>	- / 29.408	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.408	
Support (All Modification Items)													
2.1) Engineering Change Orders	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	
2.2) Data	- / 1.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.215	
2.3) Training Equipment	6 / 0.061	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.061	
2.4) Support Equipment	- / 0.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.244	
2.5) ILS	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
2.6) Other Support	- / 14.959	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.959	
2.7) Installation Cost-Prior Year	272 / 6.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	272 / 6.160	
<i>Subtotal: Support</i>	- / 23.439	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.439	
Installation													
<i>Modification Item 1 of 1:</i> ATTEN. TRP SEATS (OSIP 020-97)	- / 0.618	- / 0.024	- / 0.024	- / 0.005	- / -	- / 0.005	- / 0.003	- / -	- / -	- / -	- / -	- / 0.674	
<i>Subtotal: Installation</i>	- / 0.618	- / 0.024	- / 0.024	- / 0.005	- / -	- / 0.005	- / 0.003	- / -	- / -	- / -	- / -	- / 0.674	
Total													
Total Cost (Procurement + Support + Installation)	53.465	0.024	0.024	0.005	-	0.005	0.003	-	-	-	-	53.521	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0528 / H-53 Series										Modification Number / Title: 1 / ATTEN. TRP SEATS (OSIP 020-97)											
Modification Item 1 of 1: ATTEN. TRP SEATS (OSIP 020-97)																															
Manufacturer Information																															
Manufacturer Name: Martin Baker-CATSS															Manufacturer Location: Middlesex, England																
Administrative Leadtime (in Months): 9															Production Leadtime (in Months): 12																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Manufacturer Name: Eastwest Industries, INC-CACCS															Manufacturer Location: Ronkonkoma, NY																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 4																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: [none specified]:: Installation Name: MH-53E CATSS Kits																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		2 / 0.125	3 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.125																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		2 / 0.125	3 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.125																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0528 / H-53 Series			Modification Number / Title: 1 / ATTEN. TRP SEATS (OSIP 020-97)

Modification Item 1 of 1: ATTEN. TRP SEATS (OSIP 020-97)

Installation Information

Method of Implementation: CONTRACTOR INSTALLED-FIELD MOD TEAM:: Installation Name: ATTEN. TRP SEATS (OSIP 020-97) CACCS

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	176 / 0.493	11 / 0.024	7 / 0.024	2 / 0.005	- / 0.000	2 / 0.005	1 / 0.003	- / -	- / -	- / -	- / -	197 / 0.549
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	176 / 0.493	11 / 0.024	7 / 0.024	2 / 0.005	- / -	2 / 0.005	1 / 0.003	- / -	- / -	- / -	- / -	197 / 0.549

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	176	-	4	3	4	-	3	2	2	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	197
Out	176	-	4	3	4	-	3	2	2	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	197

Method of Implementation (Organic): Organic - Archived ECP's OSIP 20-97

Installation Quantity: 514

Footnotes:

⁽¹⁾ (QTY) 219 CACCS procured. (QTY) 197 will be installed due to installs not completed prior to retirement of CH-53D.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 2 / INTEGRATED MECH DIAG (OSIP 007-98)			
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>	157.722	6.433	4.580	4.693	-	4.693	5.012	6.484	2.496	1.986	3.996	193.402
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	157.722	6.433	4.580	4.693	-	4.693	5.012	6.484	2.496	1.986	3.996	193.402
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	157.722	6.433	4.580	4.693	-	4.693	5.012	6.484	2.496	1.986	3.996	193.402
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:
Integrated Mechanical Diagnostics (IMD) is a helicopter monitoring and diagnostics system that provides continuous on board monitoring and diagnostics of engine health, gearbox and drive train vibrations, oil debris, Rotor Track and Balance (RTB). Full incorporation of the IMD system capabilities will allow rapid transition from the current costly philosophies of the 70s to today's cost wise initiatives and concepts. Lessons learned from this effort were incorporated into the solicitation for the fleet wide IMD effort with CH/MH-53E aircraft designated as the lead platforms. IMD produces the aircraft interface required to implement Military Flight Operations Quality Assurance (MFOQA), a capability designed to provide hazard monitoring and mitigation. Additionally, IMDS includes support equipment for RTB, including Virtual Master Blade System (VMBS). Condition Based Maintenance (CBM) is hosted within the aircraft IMDS/Health and Usage Monitoring System (HUMS), intended to direct maintenance by predicting failures based on real-time assessment of equipment condition obtained from Integrated Mechanical Diagnostics System (IMDS) embedded sensors. CBM program includes software algorithm analysis for condition and health indicators of components, implementation of diagnostic/analysis tools, regime recognition, and information infrastructure. CBM will enable a reduction in spares and maintenance while increasing safety of flight.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The CH-53E IMDS successfully completed operational evaluation in October 2005. The Milestone Decision Authority approved full-rate production for CH-53E IMDS in December 2004. MH-53E Validation completed 1st Qtr FY11. The MH-53E Verification was completed 1st Qtr FY13. Advanced diagnostics enhancements and airframe structural life extension database interfaces are being incorporated to provide comprehensive platform operational and maintenance status awareness to the Squadron Commanders and key decision makers.

Notes:
1. CH-53E A-Kits - of the 149 procured, only 148 are installing. 1 is not installing due to mishap. Not included in this count are 5 installed kits that have been archived.
2. MH-53E Kits - of the 31 procured, 2 installed kits (OCO) have been archived, leaving 29 Kits - only 28 of the 29 are installing due to 1 mishap.
3. MH-53E aircraft availability delayed installations. Final installs to induct 4Q FY14.
4. CH-53E aircraft availability delayed installations of prior year kit buy.
5. IMDS FY15-FY18 support costs are for IMDS configuration changes to provide continued system internet authority. CBM data will drive software changes for aging aircraft components.
6. Prior year QTY of 1 CH-53E and 2 MH-53E installs did not occur due to loss of aircraft.
7. CBM contract awards occur in FY14 and FY18.
8. Non Recurring Engineering (NRE) associated with CBM is identified for each year required to support 10.0/3.0 and 11.0/4.0 software updates.
9. FY17 CBM contract award rephased to ensure sufficient time between 10.0/3.0 software fleet implementation to gather data required for final software modification contract award.
10. To Complete funding provides appropriate levels of support for final software modification, testing and implementation.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 2 / INTEGRATED MECH DIAG (OSIP 007-98)

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 2 / INTEGRATED MECH DIAG (OSIP 007-98)					
Models of Systems Affected: CH-53E (149), MH-53E (28), 177 Total				Modification Type: SAFETY, READINESS, AND MAINTAINABILITY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: INTEGRATED MECH DIAG (OSIP 007-98)													
A Kits													
Recurring													
1.1.1) CH-53E A-Kits - NonOrganic ⁽²⁾	118 / 35.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	118 / 35.747	
1.1.2) CH-53E A Kits (CONG) - NonOrganic	31 / 10.552	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 10.552	
1.1.3) MH-53E Kits (A-kits) - NonOrganic ⁽³⁾	29 / 9.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 9.995	
1.1.4) Archived A Kits OSIP 007-98 - Organic	10 / 5.441	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 5.441	
Subtotal: Recurring	- / 61.735	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 61.735	
B Kits													
Recurring													
2.1.1) CBM Installation Equipment - Organic ⁽⁴⁾	- / 4.570	- / 2.732	- / -	- / 2.437	- / -	- / 2.437	- / 2.828	- / 4.420	- / 1.102	- / 0.785	- / 1.036	- / 19.910	
2.1.2) CBM Installation Equipment - Reserve - Organic	- / -	- / -	- / 1.606	- / 0.101	- / -	- / 0.101	- / 0.221	- / 0.088	- / 0.046	- / 0.031	- / 0.282	- / 2.375	
2.1.3) Archived B Kits - Organic	31 / 2.448	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 2.448	
Subtotal: Recurring	- / 7.018	- / 2.732	- / 1.606	- / 2.538	- / -	- / 2.538	- / 3.049	- / 4.508	- / 1.148	- / 0.816	- / 1.318	- / 24.733	
Subtotal: INTEGRATED MECH DIAG (OSIP 007-98)	219 / 68.753	- / 2.732	- / 1.606	- / 2.538	- / -	- / 2.538	- / 3.049	- / 4.508	- / 1.148	- / 0.816	- / 1.318	219 / 86.468	
Subtotal: Procurement, All Modification Items	- / 68.753	- / 2.732	- / 1.606	- / 2.538	- / -	- / 2.538	- / 3.049	- / 4.508	- / 1.148	- / 0.816	- / 1.318	- / 86.468	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.217	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.217	
3.2) Data	- / 1.352	- / 0.106	- / -	- / 0.101	- / -	- / 0.101	- / 0.241	- / 0.242	- / 0.221	- / 0.200	- / 0.453	- / 2.916	
3.3) Data - Reserve	- / -	- / -	- / 0.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.102	
3.4) Data (CONG)	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	
3.5) Software	- / 3.924	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.924	
3.6) Software (CONG)	- / 2.667	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.667	
3.7) Training Equipment	2 / 0.467	- / -	- / -	- / 0.153	- / -	- / 0.153	- / 0.034	- / 0.185	- / 0.008	- / 0.150	- / 0.401	2 / 1.398	
3.8) Training Equipment - Reserve	- / -	- / -	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	
3.9) Support Equipment	- / 2.901	- / -	- / 0.029	- / 0.023	- / -	- / 0.023	- / 0.011	- / 0.011	- / 0.005	- / -	- / -	- / 2.980	
3.10) Condition Based Maint (CBM)	- / 2.922	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.922	
3.11) ILS	- / 4.312	- / 0.044	- / -	- / 0.333	- / -	- / 0.333	- / 0.292	- / 0.261	- / 0.123	- / 0.115	- / 0.366	- / 5.846	
3.12) ILS - Reserve	- / -	- / -	- / 0.376	- / 0.014	- / -	- / 0.014	- / 0.012	- / 0.011	- / 0.005	- / 0.005	- / 0.256	- / 0.679	

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LI 0528 - H-53 Series
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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0528 / H-53 Series										Modification Number / Title: 2 / INTEGRATED MECH DIAG (OSIP 007-98)											
Modification Item 1 of 1: INTEGRATED MECH DIAG (OSIP 007-98)																															
Manufacturer Information																															
Manufacturer Name: Goodrich-CH															Manufacturer Location: Vergennes, VT																
Administrative Leadtime (in Months): 11															Production Leadtime (in Months): 4																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Manufacturer Name: Goodrich-MH															Manufacturer Location: Vergennes, VT																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 7																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: CONTRACTOR INSTALLED-FIELD MOD TEAM:: Installation Name: IMDS (OSIP 07-98) CH-53																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		142 / 12.874	1 / 0.154	2 / 0.158	2 / 0.165	- / 0.000	2 / 0.165	1 / 0.086	- / -	- / -	- / -	- / -	148 / 13.437																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		142 / 12.874	1 / 0.154	2 / 0.158	2 / 0.165	- / -	2 / 0.165	1 / 0.086	- / -	- / -	- / -	- / -	148 / 13.437																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	142	-	-	-	1	1	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148
Out	142	-	-	-	1	1	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 2 / INTEGRATED MECH DIAG (OSIP 007-98)

Modification Item 1 of 1: INTEGRATED MECH DIAG (OSIP 007-98)

Installation Information

Method of Implementation: [none specified]:: Installation Name: MH-53E Kits (A-kits)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	11 / 2.113	17 / 1.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 3.733
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	11 / 2.113	17 / 1.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 3.733

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	11	5	5	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
Out	11	5	5	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28

Method of Implementation (Organic): Not Installed - Archived A Kits OSIP 007-98	Installation Quantity: 10

Method of Implementation (Organic): Not Installed - Archived B Kits	Installation Quantity: 31

Footnotes:

- (2) CH-53E A-Kits QTY of 149, only 148 are actually installing. One is not installing due to mishap.
- (3) MH-53E Kits - of the 31 procured, 2 installed kits (OCO) have been archived, leaving 29 Kits - only 28 of the 29 are installing due to mishap. Included in the remaining 28 installs is 1 trainer kit (FY13).
- (4) CBM contract awards occur in FY14 and FY18.
- (5) Other support fluctuations are due to the CBM software upgrades. Upgrade procurements in FY14 and FY18 require ground and aircraft testing in the years following updates/delivery (FY17, FY20).

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 3 / NACELLES (OSIP 009-01)

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>)	16.639	9.944	8.887	7.539	-	7.539	7.640	8.599	3.185	2.723	0.320	65.476
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	16.639	9.944	8.887	7.539	-	7.539	7.640	8.599	3.185	2.723	0.320	65.476
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	16.639	9.944	8.887	7.539	-	7.539	7.640	8.599	3.185	2.723	0.320	65.476

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

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

Description:

Material quality defects were discovered in the first production lot. Technical data package was studied by the Original Equipment Manufacturer. Contract awarded February 07 for Non-Recurring Engineering, tooling and validation/verification kits.

DESCRIPTION/JUSTIFICATION: The CH/MH-53E No.1 & No. 3 engine Nacelles are a safety risk due to Things Falling Off Aircraft (TFOA). TFOA incidents risk damage to the aircraft, threaten aircrew safety, and could potentially impact personnel and/or property on the ground. The H-53E Engine Nacelles have become a Direct Maintenance Man Hour (MMH) driver in the fleet. The procurement improves fleet safety and readiness. The new CH/MH-53E Nacelle ship sets incorporate improved material properties, design, and positive locking latching mechanisms to prevent TFOA. Improved Nacelles will ensure the highest readiness levels.

The H-53E No.1 & No. 3 engine Nacelles are a safety risk due to Things Falling Off Aircraft (TFOA). TFOA incidents risk damage to the aircraft, threaten aircrew safety, and could potentially impact personnel and/or property on the ground. To date, 84 TFOA events have occurred (12 in the last three years). Of the 84, 10 have impacted the tail rotor. The H-53E Engine Nacelles have become a Direct Maintenance Man Hour (MMH) driver in the fleet. The procurement improves fleet safety and readiness.

DEVELOPMENT STATUS/MAJOR MILESTONES: Nacelles kit verification complete 4Q FY14.

Notes:

1. Due to increasing complexity of the effort, installs will be performed by contractor field mod team. Prior year installs were organic.
2. Backbone A kits is part of the CH/MH Nacelles kit buy (associated hardware that connects the Nacelle panel to the aircraft). Cost elements have been added due to substantial differences in kit costs - No New Start.
3. Total qty CH Nacelles kits is 151; total qty CH backbone kits is 148 for ease of installation.
4. QTY 2 CH-53E Nacelle Kits and QTY 2 CH-53E Backbones were organically installed in prior years.
5. NRE cost element and data funds added to support required NRE for final technical directive (TD)for Nacelles installations.
6. Production lead time for H-53 CH/MH backbone kits is 3 months; production lead time for CH/MH-53 kit is 21 months.
7. FY14 NRE cost for TD verification efforts added.
8. FY16 funds realigned to OSIP 08-06 for acceleration of Kapton Installations to mitigate known fire safety hazards. Payback of funds will occur in FY20.

Current Active Modifications:

MH-53/CH-53 Kits - Non-organic - installs for improved GKN Nacelles to incorporate design changes to improve reliability/rigidity, risk analysis, metal numerical control (n/c) tooling, fabrication of two ship sets and teardown/inspection/test of Nacelles for No. 1 and No.3 engines.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 3 / NACELLES (OSIP 009-01)

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 3 / NACELLES (OSIP 009-01)					
Models of Systems Affected: CH-53E(149), MH-53E(28), 177 TOTAL				Modification Type: MISSION/MISSION ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: NACELLES (OSIP 009-01)													
A Kits													
Recurring													
1.1.1) MH-53E Backbone A Kits - NonOrganic	- / -	- / -	- / -	10 / 0.100	- / -	10 / 0.100	9 / 0.090	2 / 0.020	1 / 0.010	2 / 0.020	- / -	24 / 0.240	
1.1.2) MH-53E Backbone A Kits - Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.010	1 / 0.010	1 / 0.010	2 / 0.020	- / -	5 / 0.050	
1.1.3) CH-53E Backbone A Kits - NonOrganic ⁽⁶⁾	- / -	38 / 0.321	- / -	- / -	- / -	- / -	14 / 0.140	33 / 0.330	25 / 0.250	24 / 0.240	8 / 0.080	142 / 1.361	
1.1.4) CH-53E Backbone A Kits - Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.040	2 / 0.020	6 / 0.060	
1.1.5) MH-53E Kit - NonOrganic	- / -	- / -	19 / 4.684	2 / 0.500	- / -	2 / 0.500	1 / 0.250	2 / 0.500	- / -	- / -	- / -	24 / 5.934	
1.1.6) MH-53E Kits - Reserve - NonOrganic	- / -	- / -	1 / 0.247	1 / 0.250	- / -	1 / 0.250	1 / 0.250	2 / 0.500	- / -	- / -	- / -	5 / 1.247	
1.1.7) CH-53E KITS - Organic	3 / 0.675	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.675	
1.1.8) CH-53E KITS (Nacelles) - NonOrganic ⁽⁷⁾	- / -	38 / 8.851	14 / 3.451	23 / 5.750	- / -	23 / 5.750	25 / 6.250	24 / 5.773	9 / 2.025	9 / 2.025	- / -	142 / 34.125	
1.1.9) CH-53E KITS - (Nacelles) Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.000	2 / 0.500	- / -	- / -	6 / 1.500	
1.1.10) Archived A Kits OSIP 09-01 - Organic	46 / 8.446	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 8.446	
Subtotal: Recurring	- / 9.121	- / 9.172	- / 8.382	- / 6.600	- / -	- / 6.600	- / 6.990	- / 8.133	- / 2.795	- / 2.345	- / 0.100	- / 53.638	
B Kits													
Non-Recurring													
2.1.1) Non-Recurring - Organic	- / -	- / 0.023	- / -	- / 0.374	- / -	- / 0.374	- / -	- / -	- / -	- / -	- / -	- / 0.397	
Subtotal: Non-Recurring	- / 0.000	- / 0.023	- / -	- / 0.374	- / -	- / 0.374	- / -	- / -	- / -	- / -	- / -	- / 0.397	
Subtotal: NACELLES (OSIP 009-01)	49 / 9.121	76 / 9.195	34 / 8.382	36 / 6.974	- / -	36 / 6.974	51 / 6.990	68 / 8.133	38 / 2.795	41 / 2.345	10 / 0.100	403 / 54.035	
Subtotal: Procurement, All Modification Items	- / 9.121	- / 9.195	- / 8.382	- / 6.974	- / -	- / 6.974	- / 6.990	- / 8.133	- / 2.795	- / 2.345	- / 0.100	- / 54.035	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.100	- / -	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.125	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.066	- / 0.157	- / -	- / 0.102	- / -	- / 0.102	- / 0.130	- / 0.106	- / 0.038	- / 0.038	- / 0.038	- / 0.675	
3.6) ILS - Reserve	- / -	- / -	- / 0.067	- / 0.004	- / -	- / 0.004	- / 0.014	- / 0.004	- / -	- / -	- / -	- / 0.089	
3.7) Other Support	- / 7.352	- / 0.592	- / 0.265	- / 0.052	- / -	- / 0.052	- / 0.135	- / 0.070	- / 0.062	- / -	- / -	- / 8.528	
3.8) Other Support - Reserve	- / -	- / -	- / 0.148	- / 0.005	- / -	- / 0.005	- / 0.005	- / 0.003	- / -	- / -	- / -	- / 0.161	
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 7.518	- / 0.749	- / 0.505	- / 0.163	- / -	- / 0.163	- / 0.284	- / 0.183	- / 0.100	- / 0.038	- / 0.038	- / 9.578	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 3 / NACELLES (OSIP 009-01)			
Models of Systems Affected: CH-53E(149), MH-53E(28), 177 TOTAL					Modification Type: MISSION/MISSION ENHANCEMENT					Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Installation													
<i>Modification Item 1 of 1:</i> NACELLES (OSIP 009-01)	- / 0.000	- / -	- / -	- / 0.402	- / -	- / 0.402	- / 0.366	- / 0.283	- / 0.290	- / 0.340	- / 0.182	- / 1.863	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 0.402	- / -	- / 0.402	- / 0.366	- / 0.283	- / 0.290	- / 0.340	- / 0.182	- / 1.863	
Total													
Total Cost (Procurement + Support + Installation)	16.639	9.944	8.887	7.539	-	7.539	7.640	8.599	3.185	2.723	0.320	65.476	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 3 / NACELLES (OSIP 009-01)					
Modification Item 1 of 1: NACELLES (OSIP 009-01)													
Manufacturer Information													
Manufacturer Name: Sikorsky Aircraft Corp -MH Nacelles							Manufacturer Location: Stratford, CT						
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 21						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates		Jan 2015	Jan 2016	Jan 2017	Jan 2018								
Delivery Dates		Oct 2016	Oct 2017	Oct 2018	Oct 2019								
Manufacturer Name: Sikorsky Aircraft Corp - CH Nacelles							Manufacturer Location: Stratford, CT						
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 21						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020						
Delivery Dates	Dec 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020	Oct 2021						
Manufacturer Name: Dial & Associates - MH Backbone kits							Manufacturer Location: California, MD						
Administrative Leadtime (in Months): 9							Production Leadtime (in Months): 3						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates			Jun 2016	Oct 2016	Oct 2017	Oct 2018	Oct 2019						
Delivery Dates			Oct 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020						
Manufacturer Name: Dial & Associates- CH Backbone kits							Manufacturer Location: California, MD						
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 3						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates	Oct 2014			Oct 2016	Oct 2017	Oct 2018	Oct 2019						
Delivery Dates	Jan 2015			Jan 2017	Jan 2018	Jan 2019	Jan 2020						
Installation Information													
Method of Implementation: Contractor Field Mod Team:: Installation Name: MH-53 Installs													
Installation Cost	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.198	- / -	- / -	- / -	- / -	20 / 0.198	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.006	3 / 0.024	- / -	- / -	- / -	13 / 0.030	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.013	- / -	2 / 0.016	- / -	- / -	12 / 0.029	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.009	- / -	4 / 0.034	- / -	7 / 0.043	

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0528 / H-53 Series			Modification Number / Title: 3 / NACELLES (OSIP 009-01)

Modification Item 1 of 1: NACELLES (OSIP 009-01)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: MH-53 Installs

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.009	- / -	- / -	2 / 0.009
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.017	- / -	4 / 0.017
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.217	6 / 0.033	4 / 0.025	8 / 0.051	- / -	58 / 0.326

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	8	10	10	12	-	6	-	-	-	4	-	-	-	8	-	-	-	58
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	8	10	10	12	-	6	-	-	-	4	-	-	-	8	-	-	-	58

Method of Implementation: Contractor Field Mod Team:: Installation Name: CH-53 Installs

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	76 / 0.402	- / -	76 / 0.402	- / -	- / -	- / -	- / -	- / -	76 / 0.402
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.140	- / -	- / -	- / -	- / -	14 / 0.140
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.230	- / -	- / -	- / -	23 / 0.230
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.009	- / -	25 / 0.250	- / -	- / -	39 / 0.259
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 0.020	- / -	28 / 0.273	- / -	61 / 0.293
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.015	- / -	11 / 0.094	36 / 0.109
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.016	9 / 0.082	37 / 0.098
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.006	10 / 0.006
Total	- / -	- / -	- / -	76 / 0.402	- / -	76 / 0.402	28 / 0.149	56 / 0.250	50 / 0.265	56 / 0.289	30 / 0.182	296 / 1.537

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Exhibit P-3a, Individual Modification: PB 2016 Navy																							Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0528 / H-53 Series										Modification Number / Title: 3 / NACELLES (OSIP 009-01)											
Modification Item 1 of 1: NACELLES (OSIP 009-01)																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: CH-53 Installs																															
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	18	18	20	20	-	10	10	8	-	19	19	18	-	18	18	14	-	20	20	16	30	296
Out	-	-	-	-	-	-	-	-	-	18	18	20	20	-	10	10	8	-	19	19	18	-	18	18	14	-	20	20	16	30	296
Method of Implementation (Organic): Organic - CH-53E KITS																							Installation Quantity: 3								
Method of Implementation (Organic): Organic - Archived A Kits OSIP 09-01																							Installation Quantity: 46								
Footnotes: ⁽⁶⁾ Due to substantial differences in production lead times, Nacelles backbone kit procurement has delayed until FY17. QTY 1 Kit in FY14 is installing for Val/Ver. ⁽⁷⁾ prior year kits were installed organically																															

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 4 / H-53 ERIP (OSIP 010-05)			
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>)	177.969	0.382	1.898	1.238	-	1.238	1.357	0.851	1.389	1.420	3.975	190.479
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	177.969	0.382	1.898	1.238	-	1.238	1.357	0.851	1.389	1.420	3.975	190.479
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	177.969	0.382	1.898	1.238	-	1.238	1.357	0.851	1.389	1.420	3.975	190.479
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The T64 Engine Reliability Improvement Program (ERIP) upgrades top age related engine degraders, fatigue limiters, and performance degradation on the T64 engine. A concentrated effort is to upgrade the T64-416 engines to the T64-416A configuration by replacing components of the engine with improved hardware designs to increase reliability and reduce logistical requirements by conforming to one configuration. T64 engines will be modified to incorporate titanium nitride-coated compressor airfoils. Titanium nitride coating provides significantly improved durability and reliability for operation in austere environments. Degraded and obsolete peculiar support equipment will also be improved.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: 396 of 460 engines have been upgraded from the T64-416 to T64-416A configuration. T64-416A upgrade kits procured with FY04 Title IX Supplemental funding began installs in FY05. T64-416 and -416A engines began incorporating titanium nitride in FY04. T64-419 engines began incorporating titanium nitride in FY06. T64-413 engines began incorporating titanium nitride in FY07, and were completed in FY11 when the FY11 United States Marine Corps Aviation Plan was released.

Notes:

1. Non-recurring installation cost identifies funding for T64 ERIP mods to be installed/implemented by Fleet Readiness Center (FRC) artisans. This cost consists of labor and consumable materials necessary to implement the various Accessory Changes and Powerplant Changes that make up the T64 ERIP. Fiscal Year quantities are based on FRC shop throughput, appropriate kit availability, and anticipated retrograde component availability.
2. All kit procurements have completed. Deliveries and installs will continue throughout the FYDP.
3. The PPC-109 Rev B Technical directive was revised (from PPC-109 Rev A) and eliminates the requirement for APN funding. Install funds were realigned to support PPC-119.
4. The PPC-119 install schedule was revised in accordance with current FRC shop throughput, appropriate kit availability, and anticipated retrograde component availability.
5. The PPC-119 installation cost increased. Current installation cost is based on FRC input. Previous cost estimates were based on averaged ERIP kit installations; this included changes concurrent to engine overhaul and changes made by attrition, both at no cost.

Current Active Modifications:

1. Power Plant Changes (PPC) 109 REV B KITS - Rev B converts 416 to 416A engine configuration; installs taking place at Cherry Point Depot as concurrent rework only (no-cost).
2. PPC-119 Kits procured as 419 Fuel Control Kits and Fuel Pump Kits will be installed to upgrade T64-416A engines to the T64-419 configuration by installing modified Main Fuel Controls, Main Fuel Pumps and Fuel Flow Dividers. Total QTY 642 were procured of which 522 will install due to 4 mishaps and qty 116 completed via concurrent re-work at Cherry Point Depot.
3. Starting in FY 15 the schedule does not reflect Prior year information for Reserves.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 4 / H-53 ERIP (OSIP 010-05)

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 4 / H-53 ERIIP (OSIP 010-05)					
Models of Systems Affected: H-53 T64 Turbo-shaft engines				Modification Type: SAFETY, READINESS AND MAINTAINABILITY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: H-53 ERIIP (OSIP 010-05)													
B Kits													
Recurring													
1.1.1) PPC-119/419 Fuel Control/Pump Kits - NonOrganic ⁽⁸⁾	603 / 3.126	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	603 / 3.126	
1.1.2) PPC-119/419 Fuel Control/Pump Kits - Reserve - NonOrganic	39 / 0.202	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 0.202	
1.1.3) ARCHIVED B KITS - Organic	4,221 / 141.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,221 / 141.431	
Subtotal: Recurring	- / 144.759	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 144.759	
Subtotal: H-53 ERIIP (OSIP 010-05)	4,863 / 144.759	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,863 / 144.759	
Subtotal: Procurement, All Modification Items	- / 144.759	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 144.759	
Support (All Modification Items)													
2.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.2) Data	- / 1.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.005	
2.3) Training Equipment	- / 0.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.004	
2.4) Training Equipment-OCO	- / 0.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.506	
2.5) Support Equipment	- / 5.829	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.829	
2.6) ILS	- / 0.300	- / -	- / 0.055	- / 0.055	- / -	- / 0.055	- / 0.062	- / 0.045	- / 0.045	- / 0.045	- / 0.293	- / 0.900	
2.7) ILS - Reserve	- / -	- / -	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / -	- / 0.300	
2.8) Other Support	- / 18.779	- / -	- / 0.088	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.075	- / 0.078	- / 0.081	- / 0.418	- / 19.719	
2.9) Other Support - Reserve	- / -	- / -	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.048	- / 0.048	- / 0.050	- / 0.045	- / -	- / 0.291	
2.10) Other Support-OCO	- / 5.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.400	
2.11) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 31.823	- / -	- / 0.243	- / 0.255	- / -	- / 0.255	- / 0.260	- / 0.218	- / 0.223	- / 0.221	- / 0.711	- / 33.954	
Installation													
Modification Item 1 of 1: H-53 ERIIP (OSIP 010-05)	- / 1.387	- / 0.382	- / 1.655	- / 0.983	- / -	- / 0.983	- / 1.097	- / 0.633	- / 1.166	- / 1.199	- / 3.264	- / 11.766	
Subtotal: Installation	- / 1.387	- / 0.382	- / 1.655	- / 0.983	- / -	- / 0.983	- / 1.097	- / 0.633	- / 1.166	- / 1.199	- / 3.264	- / 11.766	
Total													
Total Cost (Procurement + Support + Installation)	177.969	0.382	1.898	1.238	-	1.238	1.357	0.851	1.389	1.420	3.975	190.479	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 4 / H-53 ERIIP (OSIP 010-05)

Modification Item 1 of 1: H-53 ERIIP (OSIP 010-05)

Manufacturer Information

Manufacturer Name: GE PPC-119	Manufacturer Location: Not Specified..
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 2

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: [none specified]:: Installation Name: PPC119/419

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	170 / 1.387	14 / 0.382	62 / 1.655	34 / 0.983	- / 0.000	34 / 0.983	38 / 1.097	21 / 0.633	39 / 1.166	39 / 1.199	105 / 3.264	522 / 11.766
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	170 / 1.387	14 / 0.382	62 / 1.655	34 / 0.983	- / -	34 / 0.983	38 / 1.097	21 / 0.633	39 / 1.166	39 / 1.199	105 / 3.264	522 / 11.766

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	170	4	4	4	2	-	14	24	24	9	9	8	8	10	10	9	9	6	5	5	5	10	10	10	9	10	10	10	9	105	522
Out	170	4	4	4	2	-	14	24	24	9	9	8	8	10	10	9	9	6	5	5	5	10	10	10	9	10	10	10	9	105	522

Method of Implementation (Organic): Not Installed - ARCHIVED B KITS

Installation Quantity: 4221

Footnotes:

⁽⁸⁾ Total QTY 642 (603 reg and 39 Reserves) were procured of which 522 will install due to 4 mishaps and qty 116 completed via concurrent re-work at Cherry Point Depot.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)

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>)	138.798	0.660	0.275	-	-	-	-	-	-	-	-	139.733
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	138.798	0.660	0.275	-	-	-	-	-	-	-	-	139.733
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	138.798	0.660	0.275	-	-	-	-	-	-	-	-	139.733
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This funding effort is established for procurement and integration of survivability systems that will improve H-53 aircrew and passengers against hostile threats through more effective self-defense methods. The H-53 survivability strategy is to upgrade threat detection ability, increase countermeasure capability, reduce vulnerability, enhance situational awareness by communicating aircraft position to deconflict with friendly forces in the area of operation, and decrease vulnerability to battle damage by better developing protection for both the aircrew and critical components. This increased survivability will protect the H-53 during all aspects of its various missions; assault support, shipboard delivery of cargo, anti-mine warfare, casualty transport/Medivac, and heavy cargo transport.

H-53 Smart Multi Function Color Display (SMFCD). SMFCD moving to Avionics OSIP 31-12 as of FY14. Current Marine Air Ground Task Force (MAGTF) future force laydown plans shows Air Combat Element (ACE) MAGTF elements will not change in Operation Enduring Freedom OEF through FY14. A MAGTF ACE will remain deployed in OEF in order to support Special Operating Forces. SMFCD improves aircrew safety by reducing pilot workload and fatigue and increases aircrew situational awareness. SMFCD provides an integrated avionics suite that will facilitate safe landings in a degraded visual environment, modernize navigational equipment and enhance situational awareness with a joint single integrated air ground picture. SMFCD provides the capability of displaying a Brown Out Symbology Set on the instrument panel in the pilot's normal field of view, allowing aircrews to land in dusty environments, and reducing the risk of Controlled Flight Into Terrain (CFIT) that results in loss of life and aircraft. 7 CH-53 CFIT MISHAPS FY05-FY12 (2 OIF/5 OEF) resulted in the loss of 3 aircraft and 32 people killed in action. SMFCD provides a real time threat display for the Aircraft Survivability Equipment threat indications currently encountered, such as missiles, small arms, and lasers, overlaid on a real time moving map in the pilot's normal field of view, vice several federated systems scattered around the cockpit. SMFCD further increases safety by eliminating the kneeboard Electronic Display Module (EDM) which currently tethers the pilot to the aircraft, creating an egress hazard during emergency situations. Additionally, SMFCD is a form fit replacement for the current Forward Looking Infrared (FLIR) display and retains the full FLIR functionality.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Aircraft Survivability Equipment effort (18 aircraft) completed August 2008. Blue Force Tracker (BFT) fully equipped aircraft deployment completed June 2008. BFT is an Army Acquisition Category IC program, encryption and L-band enhancements are anticipated.

Notes:1. Critical Systems Upgrade (CSU) is comprised of BFT kits, Satellite Communications (SATCOM) 1851A radios, advanced digital antenna production, Heads Up Display (HUD) software, controlled display navigation unit and software upgrades in support of the Visually Degraded Environment (VDE) solution. VDE A-kits procured in archived VDE OSIP 20-07 with FY10 OCO are occurring simultaneously with BFT/CSU installs. Due to 4 mishaps, installation is now 151 plus the 10 trainers. Installs, QTY (58) will occur in OSIP 15-05 beginning FY13 with FY11/FY12 OCO funding. Remaining installs QTY(103)will complete under Avionics OSIP 31-12.

2. Lack of CH-53E aircraft availability is delaying installation of FY 12 Critical Systems Armor (CSA). Total kit quantity/installs being procured with FY12 OCO. Installs will complete FY17.

3. SMFCD QTY (42) were procured in Survivability OSIP 15-05. QTY (5) SMFCD (3 production kits, 1 validation kit, 1 verification kit) were procured with FY10 supplemental (Supp)(via Above Threshold Reprogramming October 10) and are being installed in FY13/FY14 with FY11/FY12 OCO funds.QTY (25) kits were procured based on the Omnibus 2011 II prior approval reprogramming. QTY (37) kits were procured with FY12 OCO (OSIP 15-05) and will be installed under Avionics OSIP 31-12. An additional QTY (94) SMFCD will be procured and installed in Avionics OSIP (31-12) for a total QTY 161 (151 aircraft installs and 10 trainers).4. Operational commitment has kept Aircraft from inducting on time, delaying installation.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)
5. Delays in aircraft availability deferred release of CSA Technical Directive (TD) to FY15. FY15 required funding to finalize TD. 6. Final CSA VER identified change in components resulting in a unit cost overrun and the reduction of CSA kits to total QTY (98). Current Active Modifications: CH-53E CSA A Kits (OCO)- NonOrganic - CSA program will armor critical systems including engines, gearboxes, hydraulic systems and Automatic Flight Controlled System (AFCS) to mitigate loss of critical systems and aircrew. SMFCD A Kits - SMFCD will increase aircrew situational awareness and reduce pilot workload/fatigue by consolidating the threat warning, BFT, FLIR, hover symbology, and moving map on one easily seen "under-glass" multi-function programmable display. Integrating all this data decreases the chances for CFIT and increases situational awareness while hovering under degraded visibility conditions such as snow, sand or, dust. SMFCD B Kits(Validation/Verification)-OCO Operational Commitments have kept Aircraft from inducting on time delaying installs funded with Overseas Operation Contingency (OCO) funds.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)					
Models of Systems Affected: CH-53E(149), MH-53E(28), 177 Total				Modification Type: SAFETY, READINESS AND MAINTAINABILITY				Related RDT&E PEs:					
Financial Plan		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
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement													
Modification Item 1 of 1: H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)													
A Kits													
Recurring													
1.1.1) CH-53E CSA A Kits-OCO - NonOrganic ⁽⁹⁾		98 / 3.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	98 / 3.060
1.1.2) SMFCD A Kits - NonOrganic ⁽¹⁰⁾		67 / 3.580	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	67 / 3.580
1.1.3) ARCHIVED A KITS - Organic		1,023 / 37.237	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,023 / 37.237
Subtotal: Recurring		- / 43.877	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.877
B Kits													
Recurring													
2.1.2) ARCHIVED B KITS - Organic		725 / 43.813	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	725 / 43.813
Subtotal: Recurring		- / 43.813	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.813
Non-Recurring													
2.2.1) SMFCD Non-Recurring - Organic		- / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.040
Subtotal: Non-Recurring		- / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.040
Subtotal: H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)		1,913 / 87.730	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,913 / 87.730
Subtotal: Procurement, All Modification Items		- / 87.730	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 87.730
Support (All Modification Items)													
3.1) Engineering Change Orders		- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050
3.2) Engineering Change Orders - OCO		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Data		- / 0.996	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.996
3.4) Data - OCO		- / 0.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.867
3.5) Software		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Software - OCO		- / 1.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.154
3.7) Training Equipment		- / 0.693	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.693
3.8) Training Equipment - OCO		- / 5.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.867
3.9) Support Equipment		- / 0.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.320
3.10) ILS		- / 1.275	- / 0.283	- / 0.157	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.715
3.11) ILS - OCO (CSA)		- / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.275
3.12) Other Support		- / 18.080	- / 0.120	- / 0.118	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.318

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0528 / H-53 Series										Modification Number / Title: 5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)											
Modification Item 1 of 1: H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin-CSA															Manufacturer Location: Lexington, KY																
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 5																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Manufacturer Name: Raytheon-SMFCD															Manufacturer Location: Indianapolis, IN																
Administrative Leadtime (in Months): 10															Production Leadtime (in Months): 4																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 SURVIVABILITY (OSIP 15-05) formerly Medivac (CSA)																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		3 / 6.086	2 / 0.257	23 / 0.000	44 / 0.000	- / 0.000	44 / 0.000	26 / 0.000	- / -	- / -	- / -	- / -	98 / 6.343																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		3 / 6.086	2 / 0.257	23 / -	44 / -	- / -	44 / -	26 / -	- / -	- / -	- / -	- / -	98 / 6.343																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	3	-	-	-	2	-	1	11	11	11	11	11	11	12	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98
Out	3	-	-	-	2	-	1	11	11	11	11	11	11	12	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 5 / H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)

Modification Item 1 of 1: H-53 SURVIVABILITY (OSIP 015-05) (formerly Medivac)

Installation Information

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 SURVIVABILITY (OSIP 15-05) formerly Medivac (SMF)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 2.320	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.320
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 2.320	4 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.320

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5

Method of Implementation (Organic): Organic - ARCHIVED A KITS

Installation Quantity: 1023

Method of Implementation (Organic): Not Installed - ARCHIVED B KITS

Installation Quantity: 725

Footnotes:

⁽⁹⁾ CSA kit quantity/installs being procured with FY12 OCO and will complete in FY17.

⁽¹⁰⁾ SMFCD QTY (42) were procured and installed in Survivability OSIP 15-05 and have been archived. QTY (5) SMFCD (3 production kits, 1 validation kit, 1 verification kit) were procured with FY10 Supplemental via Above Threshold Reprogramming October 10) and are being installed in FY13/FY14 with FY11/FY12 OCO funds. QTY (25) kits were procured based on the Omnibus 2011 II prior approval reprogramming. QTY (37) kits were procured with FY12 OCO (OSIP 15-05) and will be installed under Avionics OSIP 31-12. An additional QTY (94) SMFCD will be procured and installed in Avionics OSIP (31-12) for a total QTY 161 (151 aircraft installs and 10 trainers).

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)

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>)	220.315	24.435	14.014	14.239	-	14.239	13.580	7.927	4.713	6.317	97.658	403.198
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	220.315	24.435	14.014	14.239	-	14.239	13.580	7.927	4.713	6.317	97.658	403.198
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	220.315	24.435	14.014	14.239	-	14.239	13.580	7.927	4.713	6.317	97.658	403.198
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The H-53 aircraft is planned to be in service through Calendar Year 2029. The H-53 Aircraft Sustainment Strategy targets initiatives to remedy the top maintenance degraders, fatigue life limiters, and safety issues that impede the aircraft's ability to operate into the future. This program implements mitigations to H-53 component obsolescence structural limitations; landing gear, dynamic components, missions systems, life support, wiring improvements to aircrew safety and all other components required to fly the H-53E Fleet sustainment support in an affordable manner will continue until the H-53K becomes available.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The H-53 Sustainment Program Acquisition Strategy was approved by Program Executive Office (Aircraft) in December 2013 to be executed as one Abbreviated Acquisition Program (AAP) for Automatic Flight Control System (AFCS) and multiple independent projects related to safety, obsolescence, readiness and fatigue of all aircraft systems (e.g., fuel, rotor, drive, landing gear, electrical, hydraulic, lighting, tow, flight control, communication/navigation, pitot/static and cockpit instrumentation). Outside of the AFCS AAP, each year of the program involves non-recurring engineering (NRE) on some projects, leading to production and installation in out-years. Other projects require little or no NRE and can be acquired and installed quickly during routine maintenance.

Notes:

- Kapton kits are comprised of multiple harnesses. A Kapton Harnesses line has been added to account for the replacement of missing/broken/damaged harnesses required to complete Kapton kits.
- To limit fleet aircraft downtime for replacement of Kapton wiring, each install was broken into 3 chronological phases. Phase 1 is complete; Phase II and Phase III install average unit cost are \$175K and \$250K respectively, as of FY15.
- FY16 Kapton installations increased to accelerate mitigation of known fire safety hazards. Funding was realigned from Nacelles, OSIP (09-01).
- The Arc Fault Circuit Breakers line was archived at OSD15; Arc Fault Circuit Breakers (REV 1) - QTY 179 line was added to install replacement circuit breaker kits provided by the manufacturer at no cost to the government; Installs begin in FY14. Increase in hours required to install AFCB discovered during verification process; subsequent unit cost increase reflected.
- 12 HEELS A1 and A3 kits were shipped to Iraq. The entire shipment was lost in theater. These additional kits are required to complete installs with Rev A. They are being installed simultaneously with the Rev A Kit.
- AYC 1406 Tail Rotor Drive Shaft added; QTY 37 previously archived; Remaining QTY 104 were procured under obsolescence components, of which 29 installed. QTY 75 will install through FY18.
- SBU-29A Gyros added as a readiness issue to improve reliability and Mean Time Between Failures (MTBF). There are 6 units per aircraft.
- Ice Detector kit procurements in FY17/FY18 consist of validation/verification/prototype kits ramping up to procure remaining kits beginning FY19.
- Funding for Marine Air Wing and Reserve aircraft were realigned to reflect accurate distribution of funds.
- Ice Detector prototype accelerated to FY16 due to obsolescence issues.
- Manpower reductions resulting from sequestration delayed NRE required to initiate Engine Start Valve kit procurement.
- #2 Engine Fire Prevention Kits procurement delayed until FY18 due to delay in RDTE prototype efforts.
- FY15 ECO's required for EAPS and AFCB kits.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)
Current Active Modifications: Aircrew Cooling-NonOrganic - installation of mini cooling units in the H-53E cabin to mitigate heat stress for aircrew. Total QTY 152 installs for CH-53 aircraft will complete in FY18. H-53 Helicopter Emergency Egress Lighting System (HEELS) - installation of a self-contained, fiber formed electro-luminescent technology that lights escape paths for crew/passengers to maintain orientation in the event of a mishap. Arc Fault Circuit Breaker (REV 1) (AFCB REV 1)-NonOrganic - to replace legacy circuit breakers with modernized solid-state electronic circuit breakers to reduce the potential for electrical arcing and inflight fires. Kapton Replacement Wiring Kits - Replaces deficient legacy wiring throughout the H-53E cabin. The Kapton wiring was discovered to rapidly degrade, particularly in the maritime environment in which naval aircraft operate. Kapton wiring has been cited as a causal factor for over 100 documented incidents of electrical malfunctions and fires. Inflight Blade Inspection System (IBIS) safety covers - critical safety system on the H-53E aircraft. IBIS indicator measures nitrogen pressure of the blade and provides an indication of lost pressure and impending failure of the Main Rotor Blade on the H-53 helicopter. Total QTY is 3054 individual covers required to replace current covers on all blades in inventory. Future Modifications: Ice Detector SBU-29A Gyros Soundproofing Retention Kits-Organic Engine Start Valve kits		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)					
Models of Systems Affected: CH-53E (149), MH-53E (28), 177 Total				Modification Type: MISSION/PERFORMANCE SUSTAINMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)													
A Kits													
Recurring													
1.1.1) CH-53Aircrew Cooling OCO - NonOrganic	152 / 1.199	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	152 / 1.199	
1.1.2) Engine Start Valve Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	180 / 0.550	- / -	- / -	- / -	- / -	180 / 0.550	
1.1.3) #2 Engine Fire Prevention Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.556	18 / 0.590	30 / 1.044	98 / 3.553	163 / 5.743	
1.1.4) #2 Engine Fire Prevention Kits - Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.468	13 / 0.468	
1.1.5) H-53 HEELS Rev-A - NonOrganic	146 / 0.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	146 / 0.102	
1.1.6) H-53 HEELS Rev-A - Reserve - NonOrganic	6 / 0.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.004	
1.1.7) H-53 HEELS A1 and A3 replacement kits - NonOrganic (11)	12 / 0.103	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.103	
1.1.8) Kapton Wiring Kits (H-53) - NonOrganic	170 / 20.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 20.740	
1.1.9) Kapton Wiring Kits (H-53) - Reserve - NonOrganic	- / -	- / -	- / -	1 / 0.143	- / -	1 / 0.143	- / -	- / -	- / -	- / -	- / -	1 / 0.143	
1.1.10) Kapton Harnesses - Organic	210 / 1.993	20 / 0.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	230 / 2.183	
1.1.11) Obsolescent Components (H-53) - NonOrganic	139 / 4.033	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	174 / 22.403	313 / 26.436	
1.1.12) Ice Detector - NonOrganic	- / -	- / -	- / -	1 / 0.034	- / -	1 / 0.034	1 / 0.034	1 / 0.035	34 / 0.198	48 / 0.203	79 / 0.349	164 / 0.853	
1.1.13) Ice Detector -Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.058	13 / 0.058	
1.1.14) AYC 1406 Tail Rotor Drive Shaft A Kits - NonOrganic	75 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / -	
1.1.15) ARCHIVED A KITS - Organic	1,343 / 73.072	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,343 / 73.072	
Subtotal: Recurring	- / 101.246	- / 0.190	- / -	- / 0.177	- / -	- / 0.177	- / 0.584	- / 0.591	- / 0.788	- / 1.247	- / 26.831	- / 131.654	
Non-Recurring													
1.2.1) Installation Kits (including Automatic Flight Control System) - Organic	- / 31.734	- / 9.729	- / 3.097	- / 2.514	- / -	- / 2.514	- / 2.240	- / 1.878	- / 1.325	- / 1.722	- / 6.240	- / 60.479	
1.2.2) Non-Recurring Engineering - Reserve (including AFCS) - Organic	- / -	- / -	- / 2.053	- / 0.099	- / -	- / 0.099	- / 0.106	- / 0.110	- / 0.110	- / 0.110	- / -	- / 2.588	
1.2.3) Installation Kits (OCO) - Organic	- / 3.926	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.926	
Subtotal: Non-Recurring	- / 35.660	- / 9.729	- / 5.150	- / 2.613	- / -	- / 2.613	- / 2.346	- / 1.988	- / 1.435	- / 1.832	- / 6.240	- / 66.993	
B Kits													
Recurring													

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)					
Models of Systems Affected: CH-53E (149), MH-53E (28), 177 Total				Modification Type: MISSION/PERFORMANCE SUSTAINMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
2.1.1) Arc Fault Circuit Breaker REV 1 (H-53) - NonOrganic	- / -	13 / -	24 / -	25 / -	- / -	25 / -	40 / -	38 / -	26 / -	- / -	- / -	166 / -	
2.1.2) Arc Fault Circuit Breaker REV 1 (H-53) Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / -	- / -	- / -	11 / -	
2.1.3) Safety/Readiness Improvement Kits - Organic	- / -	6 / 0.607	- / -	1 / 0.184	- / -	1 / 0.184	1 / 0.200	- / -	- / -	- / -	174 / 6.679	182 / 7.670	
2.1.4) Soundproofing Retention Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	164 / 8.350	164 / 8.350	
2.1.5) Soundproofing Retention Kits - Reserve - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.650	13 / 0.650	
2.1.6) IBIS Safety Covers - Organic	- / -	3,054 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,054 / 0.500	
2.1.7) SBU-29A Gyros B kit - Organic	- / -	- / -	- / -	212 / 0.514	- / -	212 / 0.514	720 / 1.744	- / -	- / -	- / -	200 / 0.515	1,132 / 2.773	
2.1.8) ARCHIVED B KITS - Organic	1,121 / 17.893	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,121 / 17.893	
Subtotal: Recurring	- / 17.893	- / 1.107	- / -	- / 0.698	- / -	- / 0.698	- / 1.944	- / -	- / -	- / -	- / 16.194	- / 37.836	
Non-Recurring													
2.2.1) Installation Cost - Prior Year - Organic	- / 3.552	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.552	
2.2.2) Installation Equipment - Organic	- / 0.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.125	
Subtotal: Non-Recurring	- / 3.677	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.677	
Subtotal: H-53 A/C SUSTAINMENT (OSIP 008-06)	3,374 / 158.476	3,093 / 11.026	24 / 5.150	240 / 3.488	- / -	240 / 3.488	942 / 4.874	56 / 2.579	89 / 2.223	78 / 3.079	928 / 49.265	8,824 / 240.160	
Subtotal: Procurement, All Modification Items	- / 158.476	- / 11.026	- / 5.150	- / 3.488	- / -	- / 3.488	- / 4.874	- / 2.579	- / 2.223	- / 3.079	- / 49.265	- / 240.160	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / -	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
3.2) Data - OCO	- / 0.512	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.512	
3.3) Data	- / 0.990	- / 0.297	- / -	- / 0.150	- / -	- / 0.150	- / 0.387	- / 0.230	- / 0.100	- / 0.237	- / 4.931	- / 7.322	
3.4) Data - Reserve	- / -	- / -	- / 0.707	- / 0.106	- / -	- / 0.106	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 1.213	
3.5) Training Equipment	6 / 0.030	- / -	- / -	- / 0.015	- / -	- / 0.015	- / 0.017	- / 0.018	- / 0.020	- / 0.020	- / -	6 / 0.120	
3.6) Support Equipment	104 / 1.605	- / -	- / 0.206	- / 0.020	- / -	- / 0.020	- / -	- / -	- / -	- / -	- / 0.850	104 / 2.681	
3.7) ILS	- / 4.249	- / 3.024	- / -	- / 0.640	- / -	- / 0.640	- / 0.500	- / 0.500	- / 0.260	- / 0.360	- / 4.231	- / 13.764	
3.8) ILS - Reserve	- / -	- / -	- / 0.913	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.050	- / 0.100	- / -	- / 1.363	
3.9) Other Support	- / 40.659	- / 5.091	- / 1.733	- / 2.826	- / -	- / 2.826	- / 2.172	- / 1.900	- / 1.219	- / 1.500	- / 16.601	- / 73.701	
3.10) Other Support - Reserve	- / -	- / -	- / 1.734	- / 0.200	- / -	- / 0.200	- / 0.151	- / 0.150	- / 0.150	- / 0.150	- / 16.000	- / 18.535	
3.11) Other Support - OCO	- / 1.702	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.702	
3.12) Interim Contractor support	- / 0.270	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.270	
Subtotal: Support	- / 50.017	- / 8.412	- / 5.593	- / 4.057	- / -	- / 4.057	- / 3.427	- / 2.998	- / 1.899	- / 2.467	- / 42.613	- / 121.483	
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)				
Models of Systems Affected: CH-53E (149), MH-53E (28), 177 Total				Modification Type: MISSION/PERFORMANCE SUSTAINMENT				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)	- / 11.822	- / 4.997	- / 3.271	- / 6.694	- / -	- / 6.694	- / 5.279	- / 2.350	- / 0.591	- / 0.771	- / 5.780	- / 41.555
<i>Subtotal: Installation</i>	- / 11.822	- / 4.997	- / 3.271	- / 6.694	- / -	- / 6.694	- / 5.279	- / 2.350	- / 0.591	- / 0.771	- / 5.780	- / 41.555
Total												
Total Cost (Procurement + Support + Installation)	220.315	24.435	14.014	14.239	-	14.239	13.580	7.927	4.713	6.317	97.658	403.198

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0528 / H-53 Series			Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)	
Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)							
Manufacturer Information							
Manufacturer Name: Carleton Tech, Inc-Aircrew Cooling Kits				Manufacturer Location: Orchard Park, NY			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 2			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: SOFSA-KaptonWiring				Manufacturer Location: Lexington, KY			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 11			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Aug 2016				
Delivery Dates			Jul 2017				
Manufacturer Name: Sikorsky Aircraft Corp-Obsolescent Components				Manufacturer Location: Stratford, CT			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Feb 2014						
Delivery Dates	Mar 2014						
Manufacturer Name: L-3-HEELS Rev A				Manufacturer Location: Bluegrass, KY			
Administrative Leadtime (in Months): 11				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: Sikorsky Aircrat Corp - Eng Fire Prevention				Manufacturer Location: Stratford, CT			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 8			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates					Nov 2017	Nov 2018	Nov 2019
Delivery Dates					Jun 2018	Jun 2019	Jun 2020
Manufacturer Name: Eaton - AFCB REV 1				Manufacturer Location: Sarasota, FL			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Nov 2014				Nov 2018	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)				
Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)												
Manufacturer Information												
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Delivery Dates		Dec 2014				Dec 2018						
Manufacturer Name: Rosemount Aerospace - Ice Detector				Manufacturer Location: Burnsville, MN								
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 8								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates				Dec 2016	Dec 2017	Dec 2018	Dec 2019					
Delivery Dates				Aug 2017	Aug 2018	Jan 2019	Jan 2020					
Manufacturer Name: Commanding Officer Cherry Point Naval Air Depot - AYC 1406 Tail Rotor Drive Shaft A Kits				Manufacturer Location: Cherry Point, NC								
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 3								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Mar 2014											
Delivery Dates	Jun 2014											
Installation Information												
Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Aircrew Cooling												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	105 / 0.733	15 / 0.074	12 / 0.075	10 / 0.076	- / 0.000	10 / 0.076	10 / 0.081	- / -	- / -	- / -	- / -	152 / 1.039
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	105 / 0.733	15 / 0.074	12 / 0.075	10 / 0.076	- / -	10 / 0.076	10 / 0.081	- / -	- / -	- / -	- / -	152 / 1.039

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)									

Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)

Installation Information

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Aircrew Cooling

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	105	-	-	4	11	-	-	-	12	2	2	3	3	2	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	152
Out	105	-	-	4	11	-	-	-	12	2	2	3	3	2	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	152

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Engine Fire Prevent

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.069	15 / 0.110	- / -	- / -	17 / 0.179
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.087	15 / 0.435	- / -	18 / 0.522
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.870	30 / 0.870
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	111 / 2.928	111 / 2.928
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.069	18 / 0.197	15 / 0.435	141 / 3.798	176 / 4.499

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5	5	5	3	3	4	4	4	141	176	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5	5	5	3	3	4	4	4	141	176	

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Helicopter Emergenc

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	12 / 0.000	52 / 0.062	39 / 0.076	33 / 0.021	- / 0.000	33 / 0.021	28 / 0.019	- / -	- / -	- / -	- / -	164 / 0.178

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)

Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)

Installation Information

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Helicopter Emergenc

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	12 / 0.000	52 / 0.062	39 / 0.076	33 / 0.021	- / -	33 / 0.021	28 / 0.019	- / -	- / -	- / -	- / -	164 / 0.178

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	12	4	10	14	24	-	15	15	9	8	9	8	8	9	8	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	164
Out	12	4	10	14	24	-	15	15	9	8	9	8	8	9	8	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	164

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Kapton Wiring

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	68 / 9.499	29 / 4.793	17 / 2.980	30 / 6.454	- / 0.000	30 / 6.454	18 / 4.712	8 / 2.051	- / -	- / -	- / -	170 / 30.489
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.228	- / -	- / -	- / -	- / -	1 / 0.228
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	68 / 9.499	29 / 4.793	17 / 2.980	30 / 6.454	- / -	30 / 6.454	19 / 4.940	8 / 2.051	- / -	- / -	- / -	171 / 30.717

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)

Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)

Installation Information

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Kapton Wiring

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	68	8	7	7	7	4	4	4	5	8	8	7	7	6	4	4	5	2	2	2	2	-	-	-	-	-	-	-	-	-	171
Out	68	8	7	7	7	4	4	4	5	8	8	7	7	6	4	4	5	2	2	2	2	-	-	-	-	-	-	-	-	-	171

Method of Implementation: [none specified]:: Installation Name: Obsolescent Components (H-53)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	139 / 1.590	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	139 / 1.590
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	174 / 1.310	174 / 1.310
Total	139 / 1.590	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	174 / 1.310	313 / 2.900

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	174	313	
Out	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	174	313	

Method of Implementation: [none specified]:: Installation Name: Ice Detector

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)

Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)

Installation Information

Method of Implementation: [none specified]:: Installation Name: Ice Detector

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.028	- / -	- / -	- / -	- / -	1 / 0.028
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.029	- / -	- / -	- / -	1 / 0.029
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.028	- / -	- / -	- / -	1 / 0.028
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.232	- / -	- / -	34 / 0.232
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.336	- / -	48 / 0.336
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	79 / 0.576	79 / 0.576
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.028	2 / 0.057	34 / 0.232	48 / 0.336	79 / 0.576	164 / 1.229

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	10	12	12	12	12	12	12	79	164
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	10	12	12	12	12	12	12	79	164

Method of Implementation: [none specified]:: Installation Name: Ice Detector -Reserve

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.096	13 / 0.096
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.096	13 / 0.096

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)

Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)

Installation Information

Method of Implementation: [none specified]:: Installation Name: Ice Detector -Reserve

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13	

Method of Implementation: [none specified]:: Installation Name: AYC 1406 Tail Rotor Drive Shaft A Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	9 / 0.013	20 / 0.040	20 / 0.040	- / 0.000	20 / 0.040	20 / 0.040	6 / 0.012	- / -	- / -	- / -	75 / 0.145
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	9 / 0.013	20 / 0.040	20 / 0.040	- / -	20 / 0.040	20 / 0.040	6 / 0.012	- / -	- / -	- / -	75 / 0.145

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	-	-	-	-	-	-	-	-	-	-	-	75
Out	-	-	-	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	-	-	-	-	-	-	-	-	-	-	-	75

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Arc Fault Circuit B

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)

Modification Item 1 of 1: H-53 A/C SUSTAINMENT (OSIP 008-06)

Installation Information

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 A/C SUSTAINMENT (OSIP 08-06) Arc Fault Circuit B

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	13 / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.055
FY 2015	- / -	- / -	24 / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.100
FY 2016	- / -	- / -	- / -	25 / 0.103	- / -	25 / 0.103	- / -	- / -	- / -	- / -	- / -	25 / 0.103
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.171	- / -	- / -	- / -	- / -	40 / 0.171
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 0.161	- / -	- / -	- / -	38 / 0.161
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 0.162	- / -	- / -	37 / 0.162
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	13 / 0.055	24 / 0.100	25 / 0.103	- / -	25 / 0.103	40 / 0.171	38 / 0.161	37 / 0.162	- / -	- / -	177 / 0.752

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	13	6	6	6	6	6	6	6	7	10	10	10	10	10	10	9	9	10	10	9	8	-	-	-	-	-	177
Out	-	-	-	-	13	6	6	6	6	6	6	6	7	10	10	10	10	10	10	9	9	10	10	9	8	-	-	-	-	-	177

Method of Implementation (Organic): Organic - Engine Start Valve Kits	Installation Quantity: 180
Method of Implementation (Organic): Organic - Kapton Harnesses	Installation Quantity: 230
Method of Implementation (Organic): Not Installed - ARCHIVED A KITS	Installation Quantity: 1343
Method of Implementation (Organic): Organic - Safety/Readiness Improvement Kits	Installation Quantity: 182
Method of Implementation (Organic): Not Installed - Soundproofing Retention Kits	Installation Quantity: 164
Method of Implementation (Organic): Not Installed - Soundproofing Retention Kits - Reserve	Installation Quantity: 13

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 6 / H-53 A/C SUSTAINMENT (OSIP 008-06)
<i>Modification Item 1 of 1:</i> H-53 A/C SUSTAINMENT (OSIP 008-06)		
Installation Information		
Method of Implementation (Organic): Not Installed - IBIS Safety Covers		Installation Quantity: 3054
Method of Implementation (Organic): Organic - SBU-29A Gyros B kit		Installation Quantity: 1132
Method of Implementation (Organic): Not Installed - ARCHIVED B KITS		Installation Quantity: 1121
Footnotes: ⁽¹¹⁾ 12 HEELS A1 and A3 kits were shipped to Iraq. They entire shipment was lost in theater. These additional kits are required to complete installs with Rev A. There are being installed simultaneously with the Rev A Kit.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 7 / DIRCM (OSIP 010-08)

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>)	204.817	1.004	0.970	0.218	-	0.218	-	-	-	1.142	2.158	210.309
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	204.817	1.004	0.970	0.218	-	0.218	-	-	-	1.142	2.158	210.309
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	204.817	1.004	0.970	0.218	-	0.218	-	-	-	1.142	2.158	210.309

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

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

Description:

Currently, the H-53 is only integrated with Infrared (IR) detection equipment and rudimentary countermeasure flares. This funding is for Engineering Change Proposal (ECP) development, A-kit procurement and installation of a Direct Infrared Counter Measure (DIRCM) system for H-53s. This system will help protect the H-53 which is highly susceptible to IR seeking Man-Portable Air Defense System (MANPADS), the weapon of choice in all current theaters. This system has been found effective against fourth generation IR MANPADS, and is extremely effective against earlier generation MANPADS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Non-Recurring Engineering (NRE) for the CH-53E began in May 07 and concluded with a completed and verified Technical Directive in early FY09. Test and Evaluation for the CH-53E began with risk-reduction testing in April 08 and concluded with Initial Operational Test and Evaluation (IOT&E) in late FY09. Critical to early fielding was the Quick reaction assessment, completed in August 08 which led to an Early Operational Capability (EOC) decision in November 08. Validation and verification were conducted for the CH-53E between May - September 08. Non-Recurring engineering for the CH-53D began in May 08 and concluded with a completed and verified TD in early FY10. The FY11 United States Marine Corps Aviation Plan was released in October 2010 and called for the early retirement of the CH-53D. Development and deployment of the DIRCM system on the CH-53D system was subsequently suspended and the remaining funding was realigned to other priorities consistent with Headquarters Marine Corps direction. DIRCM is being procured as a mission kit by PMA-272. CH-53Es must be modified with an A-kit to accept the mission kit.

Notes:

1. Total QTY (161) reflects 151 CH-53E DIRCM baseline kits, (2) maintenance trainers and (8) operational trainers.
2. CH-53 (DIRCM Rev-A) A-kits QTY (153) are a revision to an existing kit.
3. Program priorities defer remaining QTY (73) CH-53 (DIRCM Rev-A) A kit installs to FY20 and beyond.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 7 / DIRCM (OSIP 010-08)				
Models of Systems Affected: CH-53E (149), 149 Total				Modification Type: MISSION/PERFORMANCE SUSTAINMENT					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: DIRCM (OSIP 010-08)													
A Kits													
Recurring													
1.1.1) CH-53E Kits OCO - NonOrganic	54 / 5.483	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 5.483	
1.1.2) CH-53E (Rev-A) A-kits OCO - NonOrganic	147 / 2.771	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / 2.771	
1.1.3) CH-53E (Rev-A) A Kits OCO - Reserve - NonOrganic	6 / 0.113	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.113	
1.1.4) Archived A Kits OSIP 10-08 - Organic	- / 44.881	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 44.881	
Subtotal: Recurring	- / 53.248	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 53.248	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	3 / 5.775	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.775	
Subtotal: Non-Recurring	- / 5.775	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.775	
B Kits													
Recurring													
2.1.1) Archived B Kits - Organic	223 / 108.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	223 / 108.490	
Subtotal: Recurring	- / 108.490	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 108.490	
Subtotal: DIRCM (OSIP 010-08)	433 / 167.513	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	433 / 167.513	
Subtotal: Procurement, All Modification Items	- / 167.513	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 167.513	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 1.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.225	
3.3) Training Equipment	- / 0.335	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.335	
3.4) Training Equipment-OCO	- / 0.999	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.999	
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) ILS	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000	
3.7) ILS-OCO	- / 0.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.234	
3.8) Other Support	- / 14.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.112	
3.9) Other Support-OCO	- / 9.541	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.541	
3.10) Interim Contractor Support	- / 6.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.041	
Subtotal: Support	- / 34.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.487	
Installation													
Modification Item 1 of 1: DIRCM (OSIP 010-08)	- / 2.817	- / 1.004	- / 0.970	- / 0.218	- / -	- / 0.218	- / -	- / -	- / -	- / 1.142	- / 2.158	- / 8.309	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0528 / H-53 Series						Modification Number / Title: 7 / DIRCM (OSIP 010-08)				
Models of Systems Affected: CH-53E (149), 149 Total			Modification Type: MISSION/PERFORMANCE SUSTAINMENT					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
	Subtotal: Installation	- / 2.817	- / 1.004	- / 0.970	- / 0.218	- / -	- / 0.218	- / -	- / -	- / -	- / 1.142	- / 2.158	- / 8.309
Total													
Total Cost (Procurement + Support + Installation)	204.817	1.004	0.970	0.218	-	0.218	-	-	-	1.142	2.158	210.309	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 7 / DIRCM (OSIP 010-08)																							
Modification Item 1 of 1: DIRCM (OSIP 010-08)																															
Manufacturer Information																															
Manufacturer Name: Northrop Grumman-DIRCM							Manufacturer Location: Rolling Meadows, IL																								
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 12																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: DIRCM (OSIP 010-08)																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	69 / 2.817	18 / 1.004	22 / 0.970	6 / 0.218	- / 0.000	6 / 0.218	- / -	- / -	- / -	30 / 1.142	62 / 2.158	207 / 8.309																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	69 / 2.817	18 / 1.004	22 / 0.970	6 / 0.218	- / -	6 / 0.218	- / -	- / -	- / -	30 / 1.142	62 / 2.158	207 / 8.309																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	69	-	2	3	13	5	6	6	5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8	6	62	207
Out	69	-	2	3	13	5	6	6	5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8	6	62	207
Method of Implementation (Organic): Not Installed - Installation Kits N/R																				Installation Quantity: 3											
Method of Implementation (Organic): Not Installed - Archived B Kits																				Installation Quantity: 223											

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series						Modification Number / Title: 8 / H-53 AVIONICS (OSIP 031-12)		
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>)	5.701	10.290	5.971	18.955	-	18.955	19.862	10.470	12.587	18.176	49.014	151.026
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.701	10.290	5.971	18.955	-	18.955	19.862	10.470	12.587	18.176	49.014	151.026
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.701	10.290	5.971	18.955	-	18.955	19.862	10.470	12.587	18.176	49.014	151.026
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) will fund avionics systems for the H-53 helicopter. The H-53 strategy is to address safety, survivability, system obsolescence, and avionics deficiencies that require correction to maintain platform relevance on an increasingly networked battlefield. Specifically, this OSIP addresses Critical Survivability Upgrade (CSU), Satellite Communications (SATCOM), Smart Multifunctional Color Display (SMFCD), and Critical Avionics Upgrade (CAU) integrations/installations. Additionally CSU NRE for OFP software modification partially supports Identify Friend or Foe (IFF) Mode 5 and Mode S integration for the APX-123 Common Transponder integration.

CSU leverages the aircraft state, rate, and acceleration data available through integration of the H764G Embedded Global Positioning System/Inertial Navigation System (EGI) and development of improved hover symbology providing the Phase I Degraded Visual Environment solution. The CSU program also provides the basis for the installation of the APX-123 Transponder to meet Mode 5 Initial Operational Capability (IOC) requirements. Non-recurring engineering will commence in FY16 to upgrade the MH-53E antiquated cockpit with critical required safety and avionics upgrades, providing increased Situational Awareness and mission efficiency with minefield, Blue Force Tracker (BFT), Area Navigation (RNAV), map and hover displays. Also, commencing in FY16 is the NRE and kit procurements for the MH EGI that will allow the MH-53E to utilize the full capability of the APX-23 transponder.

This funding provides for the integration of cockpit avionics with Aircraft Survival Equipment (ASE) to provide time critical data to other battlefield users in order to more rapidly prosecute threats. Smart Multi-Function Color Display (SMFCD), CSU, BFT, and SATCOM have transitioned from various OSIPs into Avionics. This funding effort seeks to meet requirements, and eliminate avionics and ASE related system level deficiencies and safety hazards with the above described improvements, as well as ensuring that all H-53 aircraft are equipped with a full complement of ASE required to operate on the modern networked battlefield. This budget funds installation of Satellite Communications (SATCOM) that meet over the horizon communication requirements. SMFCD improves aircrew safety by reducing pilot workload/associated fatigue and increases aircrew situational awareness. SMFCD provides an integrated avionics suite that will facilitate safe landings in a degraded visual environment, modernize navigational equipment and enhance situational awareness with a joint single integrated air ground picture. SMFCD provides Brown Out Symbology Set (BOSS) display capability on the instrument panel in the pilot's primary field of view, allowing aircrews to land in dusty environments, and reducing the risk of Controlled Flight Into Terrain (CFIT) and resulting loss of life and aircraft. Seven CH-53 CFIT MISHAPS FY-5-FY12 (2 OIF/5 OEF) resulted in the loss of 3 aircraft and 32 people killed in action. SMFCD provides a real time threat display for the Aircraft Survivability Equipment threat indications currently encountered, such as missiles, small arms, and lasers, overlaid on a real time moving map in the pilot's normal field of view, vice several federated systems scattered around the cockpit. SMFCD further increases safety by eliminating the kneeboard Electronic Display Module (EDM) which currently tethers the pilot (head down) to the aircraft, creating an egress hazard during emergency situations. Additionally, SMFCD is a form fit replacement for the current Forward Looking Infrared (FLIR) display and retains the full FLIR functionality. H-53 SMFCD moved to Avionics OSIP 31-12 as of FY14. Current Marine Air Ground Task Force (MAGTF) and/or Marine Expeditionary Unit (MEU) future force laydown plans shows Air Combat Element (ACE) MAGTF elements will not change in Operation Enduring Freedom (OEF) through FY14. A MAGTF ACE will remain deployed in OEF in order to support Special Operating Forces beyond FY14 (current plans through FY16).

Future targeted improvements include, but are not limited to Aircraft Survival Equipment (ASE) upgrades (including state of the art APR-39 and AAR-47), 8.33 kHz channel frequency separation, Required Navigation Performance (RNP) / Area Navigation (RNAV) (RNP/RNAV) certification, Variable Message Format Revision D change 1 compliance, embedded Terrain Avoidance and Warning System (eTAWs)

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integration, Collision Avoidance System integration, Over-the-Horizon communications and Crash Survivable Flight Data Recorder, Digital Battlefield Interoperability. Safety related improvements include a mitigating solution for Controlled Flight Into Terrain risk when operating in DVE. Lastly, cockpit improvements are needed to provided better lighting, readability and reliability for visual warning systems. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NRE efforts for modification of eTAWS algorithm for the H-53 aircraft will be completed June 13. Production and installation effort of eTAWS capable MFD will complete in September 15. Notes: 1. CSU is comprised of BFT kits, SATCOM integration for 1851A radios, advanced digital antenna production, Heads Up Display (HUD) software, controlled display navigation unit and software upgrades in support of the DVE solution. Due to DVE solution being comprised of the above, installation of QTY 149 (due to 6 mishaps) plus 10 trainers, DVE A-kits procured in archived DVE OSIP 20-07 with FY10 OCO are occurring simultaneously with BFT/CSU installs. Of the (159) installs, QTY (58) are being installed in OSIP 15-05 beginning FY13 with FY11/FY12 OCO funding. Remaining installs QTY (101) will complete under Avionics OSIP 31-12. CSU total kit QTY (161). 2. SMFCD total kit QTY is 159. QTY (149) aircraft installs and (10) trainers. QTY (67) kits were procured under OSIP 15-05 in prior years of which 5 installed. Remaining QTY (62) installs occur under Avionics OSIP 31-12. QTY (92) will procure/install in Avionics OSIP 31-12. Trainers are not installed. 3. SATCOM total kit QTY 161 was procured in prior years under archived DVE OSIP 20-07. SATCOM REV A QTY 147 installs will be completed under OSIP 31-12. QTY 2 were completed under DVE OSIP 20-07. 4. Starting in FY 15 the schedule does not reflect Prior year information for Reserves. 5. FY18 other support increase directly correlates with beginning of MH-53E APR-39(V)2 and Critical Avionics Upgrade. 6. Delay in FY14 contract award for SMFCD kit procurement due to SMFCD failing the electromagnetic interference testing (EMI). Forecast issue resolution to support kit procurement in FY15. SMFCD is a contract with multiple option CLINs which allow for 1Q procurements after base year contract award with 3 month production lead time. 7. CAU contract has multiple option CLIN's which allow for 1Q procurements after base year contract award with 4 month production lead time. 8. Added FY16 cost element for MH Embedded Global Positioning System Inertial Navigation System (EGI) kit procurements. Current Active Modifications: SMFCD A Kits - Non Organic SATCOM A Kits - Non Organic CSU A Kits - Non Organic MH EGI Kits - Non Organic Future Modifications: MH-53E APR-39D(V)2 A Kits - Non Organic MH-53E Critical Avionics Upgrade		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 8 / H-53 AVIONICS (OSIP 031-12)				
Models of Systems Affected: CH-53E (149), MH-53E (28), 177 Total			Modification Type: MISSION/PERFORMANCE SUSTAINMENT					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: H-53 AVIONICS (OSIP 031-12)												
A Kits												
Recurring												
1.1.1) SMFCD - NonOrganic ⁽¹²⁾	62 / 0.000	7 / 0.350	- / -	23 / 1.150	- / -	23 / 1.150	18 / 0.900	4 / 0.200	- / -	- / -	39 / 2.145	153 / 4.745
1.1.2) SMFCD - Reserve - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	- / -	- / -	- / -	- / -	6 / 0.300
1.1.3) SATCOM - NonOrganic ⁽¹³⁾	147 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	147 / -
1.1.4) Critical Systems upgrade (CSU) - NonOrganic ⁽¹⁴⁾	95 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	95 / -
1.1.5) Critical Systems Upgrade (CSU) - Reserve - NonOrganic	6 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / -
1.1.6) MH EGI A Kits - NonOrganic	- / -	- / -	- / -	2 / 0.130	- / -	2 / 0.130	12 / 0.780	12 / 0.780	- / -	- / -	- / -	26 / 1.690
1.1.7) MH-53E APR-39D(V)2 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.025	27 / 0.675	- / -	28 / 0.700
1.1.8) Cockpit Avionics Upgrade (CAU) A Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.100	9 / 1.980	14 / 3.080	28 / 6.160
Subtotal: Recurring	- / 0.000	- / 0.350	- / -	- / 1.280	- / -	- / 1.280	- / 1.980	- / 0.980	- / 1.125	- / 2.655	- / 5.225	- / 13.595
Non-Recurring												
1.2.1) Installation Kit NRE - Organic	- / -	- / -	- / 2.236	- / 2.475	- / -	- / 2.475	- / 3.154	- / 2.120	- / 1.732	- / 1.671	- / 4.700	- / 18.088
Subtotal: Non-Recurring	- / 0.000	- / -	- / 2.236	- / 2.475	- / -	- / 2.475	- / 3.154	- / 2.120	- / 1.732	- / 1.671	- / 4.700	- / 18.088
B Kits												
Recurring												
2.1.1) SMFCD B Kits - Organic	62 / 0.000	7 / 2.317	- / -	23 / 7.613	- / -	23 / 7.613	18 / 5.958	4 / 1.324	- / -	- / -	34 / 11.560	148 / 28.772
2.1.2) SMFCD B Kits - Reserve - Organic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.986	- / -	- / -	- / -	- / -	6 / 1.986
2.1.3) CH-53 ARC-210 SATCOM Kit-OCO - Organic	40 / 1.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 1.600
2.1.4) MH EGI B Kits - Organic	- / -	- / -	- / -	2 / 0.200	- / -	2 / 0.200	12 / 1.200	12 / 1.200	- / -	- / -	- / -	26 / 2.600
2.1.5) Cockpit Avionics Upgrade (CAU) B Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 5.500	9 / 9.900	14 / 15.400	28 / 30.800
Subtotal: Recurring	- / 1.600	- / 2.317	- / -	- / 7.813	- / -	- / 7.813	- / 9.144	- / 2.524	- / 5.500	- / 9.900	- / 26.960	- / 65.758
Subtotal: H-53 AVIONICS (OSIP 031-12)	412 / 1.600	14 / 2.667	- / 2.236	50 / 11.568	- / -	50 / 11.568	72 / 14.278	32 / 5.624	11 / 8.357	45 / 14.226	101 / 36.885	737 / 97.441
Subtotal: Procurement, All Modification Items	- / 1.600	- / 2.667	- / 2.236	- / 11.568	- / -	- / 11.568	- / 14.278	- / 5.624	- / 8.357	- / 14.226	- / 36.885	- / 97.441
Support (All Modification Items)												
3.1) Engineering Change Orders/Non Recurring Engineering	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / -	- / 0.629	- / 0.109	- / 0.151	- / -	- / 0.151	- / 0.039	- / 0.031	- / 0.021	- / 0.222	- / -	- / 1.202
3.3) Software	- / -	- / 0.737	- / 0.251	- / 1.687	- / -	- / 1.687	- / 0.744	- / 1.090	- / 1.194	- / 0.769	- / 0.582	- / 7.054

UNCLASSIFIED

LI 0528 - H-53 Series
Navy

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0528 / H-53 Series			Modification Number / Title: 8 / H-53 AVIONICS (OSIP 031-12)	
Modification Item 1 of 1: H-53 AVIONICS (OSIP 031-12)							
Manufacturer Information							
Manufacturer Name: Lockheed Martin-CSU				Manufacturer Location: Lexington, KY			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 11			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: Raytheon-SMFCD ⁽¹⁵⁾				Manufacturer Location: Indianapolis, IN			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Feb 2015		Oct 2016	Oct 2017			
Delivery Dates	May 2015		Dec 2016	Dec 2017			
Manufacturer Name: Rockwell Collins-SATCOM				Manufacturer Location: CEDAR RAPIDS, IA			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: TBD - APR-39D				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates					Jan 2018	Jan 2019	Oct 2019
Delivery Dates					May 2018	May 2019	Dec 2019
Manufacturer Name: TBD - CAU ⁽¹⁶⁾				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Jan 2017	Oct 2017	Oct 2018	Oct 2019
Delivery Dates				May 2017	Jan 2018	Jan 2019	Jan 2020
Manufacturer Name: MH EGI - Honeywell				Manufacturer Location: Clearwater, FL			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Oct 2015	Oct 2016	Oct 2017		
Delivery Dates			Oct 2016	Oct 2017	Oct 2018		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0528 / H-53 Series			Modification Number / Title: 8 / H-53 AVIONICS (OSIP 031-12)

Modification Item 1 of 1: H-53 AVIONICS (OSIP 031-12)

Installation Information

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 AVIONICS (OSIP 031-12) - SMFCD

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	2 / 0.061	2 / 0.060	32 / 0.960	- / 0.000	32 / 0.960	26 / 0.780	- / -	- / -	- / -	- / -	62 / 1.861
FY 2014	- / -	- / -	- / -	4 / 0.120	- / -	4 / 0.120	3 / 0.090	- / -	- / -	- / -	- / -	7 / 0.210
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.060	21 / 0.630	- / -	- / -	- / -	23 / 0.690
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.540	- / -	- / -	6 / 0.180	24 / 0.720
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.120	- / -	4 / 0.120
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 1.170	39 / 1.170
Total	- / -	2 / 0.061	2 / 0.060	36 / 1.080	- / -	36 / 1.080	31 / 0.930	39 / 1.170	- / -	4 / 0.120	45 / 1.350	159 / 4.771

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	2	-	-	1	1	8	9	9	10	8	8	7	8	9	9	14	7	-	-	-	-	4	-	-	-	45	159
Out	-	-	-	-	2	-	-	1	1	8	9	9	10	8	8	7	8	9	9	14	7	-	-	-	-	4	-	-	-	45	159

Method of Implementation: Contractor Field Mod Team:: Installation Name: SATCOM

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	36 / 1.481	24 / 0.326	20 / 0.000	44 / 0.206	- / 0.000	44 / 0.206	- / -	- / -	- / -	- / -	23 / 0.000	147 / 2.013
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	36 / 1.481	24 / 0.326	20 / -	44 / 0.206	- / -	44 / 0.206	- / -	- / -	- / -	- / -	23 / -	147 / 2.013

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 8 / H-53 AVIONICS (OSIP 031-12)									

Modification Item 1 of 1: H-53 AVIONICS (OSIP 031-12)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: SATCOM

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	36	-	-	12	12	5	5	5	5	11	11	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	147	
Out	36	-	-	12	12	5	5	5	5	11	11	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	147	

Method of Implementation: CONTRACTOR FIELD MOD TEAM:: Installation Name: H-53 AVIONICS (OSIP 031-12) - CSU

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	11 / 1.056	19 / 1.900	28 / 2.800	- / 0.000	28 / 2.800	18 / 1.800	1 / 0.100	- / -	- / -	24 / 2.400	101 / 10.056
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	11 / 1.056	19 / 1.900	28 / 2.800	- / -	28 / 2.800	18 / 1.800	1 / 0.100	- / -	- / -	24 / 2.400	101 / 10.056

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	11	5	5	5	4	8	8	8	4	5	5	5	3	1	-	-	-	-	-	-	-	-	-	-	24	101	
Out	-	-	-	-	11	5	5	5	4	8	8	8	4	5	5	5	3	1	-	-	-	-	-	-	-	-	-	-	24	101	

Method of Implementation: Contractor Field Mod Team:: Installation Name: MH EGI A Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 8 / H-53 AVIONICS (OSIP 031-12)			

Modification Item 1 of 1: H-53 AVIONICS (OSIP 031-12)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: MH EGI A Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.153	- / -	- / -	- / -	- / -	2 / 0.153
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.918	- / -	- / -	- / -	12 / 0.918
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.918	- / -	- / -	12 / 0.918
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.153	12 / 0.918	12 / 0.918	- / -	- / -	26 / 1.989

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	3	3	3	3	3	3	3	3	-	-	-	-	-	26
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	3	3	3	3	3	3	3	3	-	-	-	-	-	26

Method of Implementation: [none specified]:: Installation Name: MH-53E APR-39D(V)2

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.066	- / -	- / -	1 / 0.066
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.132	25 / 1.650	27 / 1.782
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.066	2 / 0.132	25 / 1.650	28 / 1.848

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1											P-1 Line Item Number / Title: 0528 / H-53 Series											Modification Number / Title: 8 / H-53 AVIONICS (OSIP 031-12)										
Modification Item 1 of 1: H-53 AVIONICS (OSIP 031-12)																																
Installation Information																																
Method of Implementation: [none specified]:: Installation Name: MH-53E APR-39D(V)2																																
Installation Schedule																																
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	25	28
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	25	28

Method of Implementation: Contractor Field Mod Team:: Installation Name: Cockpit Avionics Upgrade (CAU) A Kits												
Installation Cost	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.500	- / -	- / -	5 / 0.500
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.900	- / -	9 / 0.900
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.900	14 / 0.900
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.500	9 / 0.900	14 / 0.900	28 / 2.300

Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	-	3	3	3	14	28
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	-	3	3	3	14	28

Method of Implementation (Organic): Organic - SMFCD B Kits																							Installation Quantity: 148					
Method of Implementation (Organic): Organic - SMFCD B Kits - Reserve																							Installation Quantity: 6					
Method of Implementation (Organic): Organic - CH-53 ARC-210 SATCOM Kit-OCO																							Installation Quantity: 40					

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0528 / H-53 Series	Modification Number / Title: 8 / H-53 AVIONICS (OSIP 031-12)
Modification Item 1 of 1: H-53 AVIONICS (OSIP 031-12)		
Installation Information		
Method of Implementation (Organic): Organic - MH EGI B Kits		Installation Quantity: 26
Method of Implementation (Organic): Organic - Cockpit Avionics Upgrade (CAU) B Kits		Installation Quantity: 28
Footnotes: (12) Prior Year Kits procured under OSIP 15-05 (13) Kits procured under OSIP 20-07 (14) 40 Visually Degraded Environment (VDE) kits are being installed simultateously with BFT Kits. Prior year kits procured under OSIP 15-05 (15) SMFCD is a contract with multiple option CLINs which allow for 1Q procurements after base year contract award with 3 month production lead time. (16) CAU contract will have multiple option CLINs to allow for 1Q procurements after base year contract award with 4 month production lead time.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series					Modification Number / Title: 9 / Archived OSIPS			
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>	440.777	-	-	-	-	-	-	-	-	-	-	440.777
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	440.777	-	-	-	-	-	-	-	-	-	-	440.777
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	440.777	-	-	-	-	-	-	-	-	-	-	440.777
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0528 / H-53 Series				Modification Number / Title: 9 / Archived OSIPS						
Models of Systems Affected: H-53 Series				Modification Type: Various					Related RDT&E PEs:					
Financial Plan	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		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
Procurement														
Modification Item 1 of 1: Archived OSIPS														
B Kits														
Recurring														
1.1.1) Inactive OSIPS - Organic	- / 440.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 440.777		
Subtotal: Recurring	- / 440.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 440.777		
Subtotal: Archived OSIPS	- / 440.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 440.777		
Subtotal: Procurement, All Modification Items	- / 440.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 440.777		
Installation														
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -		
Total														
Total Cost (Procurement + Support + Installation)	440.777	-	-	-	-	-	-	-	-	-	-	440.777		

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0528 / H-53 Series			Modification Number / Title: 9 / Archived OSIPS		
Modification Item 1 of 1: Archived OSIPS							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0530 / SH-60 Series					
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>	740.650	120.771	101.064	107.728	-	107.728	116.698	120.938	151.890	131.848	631.038	2,222.625
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	740.650	120.771	101.064	107.728	-	107.728	116.698	120.938	151.890	131.848	631.038	2,222.625
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	740.650	120.771	101.064	107.728	-	107.728	116.698	120.938	151.890	131.848	631.038	2,222.625
<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>	-	-	-	-	-	-	-	-	-	-	-	-
 Description: This line item funds modifications to H-60 Series aircraft. The H-60 Series FY14 Inventory is comprised of: 35 HH-60H, 21 SH-60B, 7 SH-60F, 250 MH-60S, 189 MH-60R. The HH-60H is a Combat Search and Rescue (CSAR) and Special Warfare Support helicopter assigned to carrier airwings aboard Carrier Vessels (CV) and also in two reserve squadrons. The primary missions of the SH-60B are Anti-Submarine (ASW) and Surface Warfare (SUW). The SH-60F is an ASW, dipping sonar helicopter assigned to carrier airwings based aboard CVs. The SH-60F primary mission is protection of the CV inner zone. The MH-60S is the Fleet Combat Support Helicopter. The primary missions of the MH-60S are Vertical Replenishment, Search and Rescue, Organic Airborne Mine Countermeasures (AMCM), SUW, Extended Maritime Interdiction Operations, and Navy Organic CSAR. The MH-60R is the Multi-Mission Helicopter. The primary missions of the MH-60R are Under Sea Warfare and SUW. The overall goal of the modifications budgeted is for the Integrated Mechanical Diagnostic System, Safety Related Systems Upgrade, AMCM/Armed Helo (Correction of Deficiencies) for the MH-60S, Warfighter upgrades for the MH-60R, H-60 Helicopter Visit, Board, Search, and Seizure, H-60 Overland Missions, SH-60B KG-45A, Warfighter upgrades for the MH-60S Warfighting Capability, SH-60B Datalink (KuBand), MH-60R/S Crew Workload - Operator System Interface, Automatic Radar Periscope Detection Discrimination, and H-60 Aircraft Obsolescence and Sustainment.												

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0530 / SH-60 Series

ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / 009-03 SAFETY RELATED SYSTEM UPGRADE (OPERATIONAL ENHANCEMENT)	P-3a		- / 65.930	- / 2.919	- / 1.531	- / 2.558	- / -	- / 2.558
2 / 016-04 ARMED HELO/AMCM (OPERATIONAL ENHANCEMENT)	P-3a		- / 40.943	- / 4.723	- / 3.101	- / 0.650	- / -	- / 0.650
3 / 001-06 MH-60R WARFIGHTER (OPERATIONAL ENHANCEMENT)	P-3a		- / 125.658	- / 53.855	- / 46.563	- / 53.132	- / -	- / 53.132
4 / 009-07 MH-60S WARFIGHTER (OPERATIONAL ENHANCEMENT)	P-3a		- / 133.462	- / 37.779	- / 37.546	- / 39.606	- / -	- / 39.606
5 / 023-08 H-60 OVERLAND MISSIONS (OPERATIONAL ENHANCEMENT)	P-3a		- / 32.526	- / 2.601	- / 0.341	- / -	- / -	- / -
6 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT (SUSTAINMENT)	P-3a		- / 12.812	- / 18.894	- / 11.982	- / 11.782	- / -	- / 11.782
7 / Inactive OSIPs ()	P-3a		- / 329.319	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 740.650	- / 120.771	- / 101.064	- / 107.728	- / -	- / 107.728
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / 009-03 SAFETY RELATED SYSTEM UPGRADE (OPERATIONAL ENHANCEMENT)	P-3a		- / 2.772	- / 2.822	- / 2.872	- / 2.925	- / 36.648	- / 120.977
2 / 016-04 ARMED HELO/AMCM (OPERATIONAL ENHANCEMENT)	P-3a		- / 0.301	- / -	- / -	- / -	- / -	- / 49.718
3 / 001-06 MH-60R WARFIGHTER (OPERATIONAL ENHANCEMENT)	P-3a		- / 65.810	- / 71.913	- / 96.680	- / 74.842	- / 230.107	- / 818.560
4 / 009-07 MH-60S WARFIGHTER (OPERATIONAL ENHANCEMENT)	P-3a		- / 36.771	- / 33.227	- / 38.373	- / 39.549	- / 180.617	- / 576.930
5 / 023-08 H-60 OVERLAND MISSIONS (OPERATIONAL ENHANCEMENT)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 35.468
6 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT (SUSTAINMENT)	P-3a		- / 11.044	- / 12.976	- / 13.965	- / 14.532	- / 183.666	- / 291.653
7 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 329.319
Total Gross/Weapon System Cost			- / 116.698	- / 120.938	- / 151.890	- / 131.848	- / 631.038	- / 2,222.625

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

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

Justification:

The FY 2016 funding request was reduced by \$9.055 million to account for the availability of prior year execution balances

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series						Modification Number / Title: 1 / 009-03 SAFETY RELATED SYSTEM UPGRADE		
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>)	65.930	2.919	1.531	2.558	-	2.558	2.772	2.822	2.872	2.925	36.648	120.977
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	65.930	2.919	1.531	2.558	-	2.558	2.772	2.822	2.872	2.925	36.648	120.977
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	65.930	2.919	1.531	2.558	-	2.558	2.772	2.822	2.872	2.925	36.648	120.977
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION (SH-60B/MH-60R/SH-60F/HH-60H/MH-60S): Safety Related Systems Upgrade funds modifications to improve the safety of operating H-60 Series aircraft in all operations. In addition to those modifications specifically cited below, this Operational Safety Improvement Program provides the vehicle to expeditiously fund and correct H-60 Series airframe and avionics safety-related deficiencies (Hazard Risk Index 1-20). T700 Engine Safety Improvements funds Engineering Change Proposals. In addition, it troubleshoots T700 Engine problems in the H-60 community, finds solutions, and implements them. The engine upgrades include Combustion Module Chamber shroud, Gas Generator Turbine Air Separator seal and cutback diffuser. New Torque Shaft and Lever Bearings are less prone to corrosion, which will reduce the chance of flight controls binding in flight. Future modifications will include improved solid state Caution Advisory Panels, Mobile Aircrew Restraint System (MARS) that will prevent mobile aircrew from being ejected during a mishap, modification of rotor damper bearings with elastomeric bearings leading to increased component life, replacing the current non-locking rescue hook with a locking rescue hook to improve safety, and modification of flight control bolts with self-retaining flight control bolts leading to increased component life, mandated controlled-flight-into-terrain (CFIT) avoidance systems, mandated mid-air-collision avoidance capabilities (MCAC), mandated crash data recording capabilities, improved tail gear box bevel gear mesh patterns to reduce catastrophic damage under increased load conditions, electrical routing optimization to reduce wire chafing hazards leading to fire conditions in operations, and improved shipboard operating equipment to reduce mishap events onboard smaller ships. Areas of potential OSIP modifications being investigated for future improvements, aircraft structure integration efforts, and modification kits include 1) Power & Propulsion systems/Engines (gearboxes, APU, T700, rotors, fuel systems, and dampers), 2) Aircrew Survivability (integration for seating, harness, hearing), and Safety issues (integration for Landing Gear, Instrument/Navigation, Fuel, Electrical/Wiring, Guns, Weapons, Dynamic Flight Control Components, Mission Computers, AFCS, RADALT, Crash Worthy Seating, Emergency Lighting, and Hydraulic systems) and 3) Airframe/Avionics (soundproofing, landing gear, and rescue hoist, cockpit lighting/searchlights, and ALFS). DESCRIPTION/JUSTIFICATION (MH-60S, MH-60R): The Ground Proximity Warning System (GPWS) will be a software-based system that takes existing aircraft data and calculates a recovery profile to the above ground altitude of the aircraft. If the recovery profile (plus a suitable buffer) intercepts this ground height, GPWS will generate a warning to the pilot. Other means of generating a warning may also be used to ensure maximum detection with minimum nuisance cues. FBCB2 BFT is a current theatre requirement for overland helicopter missions. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The H-60 series currently has 49 active Safety Action Records being monitored across all H-60 series aircraft. As solutions become available the aircraft modifications will be implemented. Current Active Modifications: T700 Engine--The engine upgrades include combustion module chamber shroud, gas generator turbine air separator and cutback diffuser. T700 Engine Y-tube -- The engine upgrade includes modifications to the fuel tube to prevent cracking and possible fuel leakage in the aircraft cabin. T700 Engine Master Warning Panels -- The warning panel upgrade eliminates a possible short condition that will inhibit display of imminent aircraft failures including engine fires. T700 Engine Rescue Hooks -- Modify the current non-locking rescue hook with a locking rescue hook to improve safety.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 1 / 009-03 SAFETY RELATED SYSTEM UPGRADE
Future Modifications: Mobile Aircrew Restraint System (MARS)-- Modify current restraint system with the MARS. Elastomeric Bearings -- Modify current H-60 platform damper bearings with elastomeric bearings. Controlled-flight-into-terrain (CFIT) -- avoidance systems. Mid-air-collision avoidance capabilities (MCAC). Crash data recording capabilities (CDR). Improved tail gear box bevel gear mesh patterns to reduce catastrophic damage under increased load conditions. Electrical routing optimization to reduce wire chafing hazards leading to fire conditions in operations. Improved shipboard operating equipment to reduce mishap events onboard smaller ships. Ground Proximity Warning System (GPWS)--Warning system to the above ground attitude of the aircraft. METHOD OF IMPLEMENTATION: T700 Engines are "O" Level Installs. JUSTIFICATION FOR REQUIREMENTS AND CHANGES: This OSIP increases by \$1.047M (68%) from FY2015 to FY2016 due to increased safety issues and the addition of Airframe and Aircrew Survivability kits.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 1 / 009-03 SAFETY RELATED SYSTEM UPGRADE					
Models of Systems Affected: SH-60B, SH-60F, HH-60H, MH-60R, MH-60S				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 009-03 SAFETY RELATED SYSTEM UPGRADE													
A Kits													
Recurring													
1.1.1) SH-60 Series Archived ECPs - Organic	3,201 / 27.930	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,201 / 27.930	
1.1.2) T700 Engine - Organic	- / -	34 / 0.991	37 / 1.110	46 / 1.200	- / -	46 / 1.200	50 / 1.388	50 / 1.414	50 / 1.440	50 / 1.466	1,022 / 30.660	1,339 / 39.669	
1.1.3) T700 Engine Y-Tube ECP 4054 - Organic	- / -	260 / 0.702	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	260 / 0.702	
1.1.4) T700 Engine Master Warning Panel ECP 4624 - Organic	- / -	968 / 0.362	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	968 / 0.362	
1.1.5) Aircrew Survivability Kits - Organic	- / -	- / -	- / -	2 / 0.321	- / -	2 / 0.321	2 / 0.327	2 / 0.333	2 / 0.339	2 / 0.345	10 / 2.070	20 / 3.735	
1.1.6) Airframe Safety Kits - Organic	- / -	- / -	- / -	4 / 0.608	- / -	4 / 0.608	4 / 0.619	4 / 0.630	4 / 0.641	4 / 0.653	16 / 3.918	36 / 7.069	
Subtotal: Recurring	- / 27.930	- / 2.055	- / 1.110	- / 2.129	- / -	- / 2.129	- / 2.334	- / 2.377	- / 2.420	- / 2.464	- / 36.648	- / 79.467	
Non-Recurring													
1.2.1) INSTALLATION KITS N/R - Organic	- / 9.588	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.588	
Subtotal: Non-Recurring	- / 9.588	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.588	
B Kits													
Recurring													
2.1.1) Archived ECPs - Organic	927 / 7.606	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	927 / 7.606	
Subtotal: Recurring	- / 7.606	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.606	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 3.148	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.148	
Subtotal: Non-Recurring	- / 3.148	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.148	
Subtotal: 009-03 SAFETY RELATED SYSTEM UPGRADE	4,128 / 48.272	1,262 / 2.055	37 / 1.110	52 / 2.129	- / -	52 / 2.129	56 / 2.334	56 / 2.377	56 / 2.420	56 / 2.464	1,048 / 36.648	6,751 / 99.809	
Subtotal: Procurement, All Modification Items	- / 48.272	- / 2.055	- / 1.110	- / 2.129	- / -	- / 2.129	- / 2.334	- / 2.377	- / 2.420	- / 2.464	- / 36.648	- / 99.809	
Support (All Modification Items)													
3.1) SAFTEY RELATED ECO	- / 0.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.030	
3.2) DATA	- / 1.670	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.670	
3.3) TRAINING EQUIPMENT	- / 0.429	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.429	
3.4) ILS	- / 0.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.640	
3.5) OTHER SUPPORT	- / 14.889	- / 0.864	- / 0.421	- / 0.429	- / -	- / 0.429	- / 0.438	- / 0.445	- / 0.452	- / 0.461	- / -	- / 18.399	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series						Modification Number / Title: 1 / 009-03 SAFETY RELATED SYSTEM UPGRADE			
Models of Systems Affected: SH-60B, SH-60F, HH-60H, MH-60R, MH-60S				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: Support</i>	- / 17.658	- / 0.864	- / 0.421	- / 0.429	- / -	- / 0.429	- / 0.438	- / 0.445	- / 0.452	- / 0.461	- / -	- / 21.168	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	65.930	2.919	1.531	2.558	-	2.558	2.772	2.822	2.872	2.925	36.648	120.977	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0530 / SH-60 Series			Modification Number / Title: 1 / 009-03 SAFETY RELATED SYSTEM UPGRADE	
Modification Item 1 of 1: 009-03 SAFETY RELATED SYSTEM UPGRADE							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - SH-60 Series Archived ECPs					Installation Quantity: 3201		
Method of Implementation (Organic): Organic - T700 Engine					Installation Quantity: 1339		
Method of Implementation (Organic): Organic - T700 Engine Y-Tube ECP 4054					Installation Quantity: 260		
Method of Implementation (Organic): Organic - T700 Engine Master Warning Panel ECP 4624					Installation Quantity: 968		
Method of Implementation (Organic): Organic - Aircrew Survivability Kits					Installation Quantity: 20		
Method of Implementation (Organic): Organic - Airframe Safety Kits					Installation Quantity: 36		
Method of Implementation (Organic): Organic - Archived ECPs					Installation Quantity: 927		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 2 / 016-04 ARMED HELO/AMCM

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>	40.943	4.723	3.101	0.650	-	0.650	0.301	-	-	-	-	49.718
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	40.943	4.723	3.101	0.650	-	0.650	0.301	-	-	-	-	49.718
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	40.943	4.723	3.101	0.650	-	0.650	0.301	-	-	-	-	49.718
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: Based on Developmental and Operational Testing, Fleet aircraft require modifications to correct identified deficiencies incorporated in production aircraft. These modifications include corrections to Common Cockpit Avionics, Auxiliary Fuel System, High Maintenance Battery, Search and Rescue Equipment, Rotor System and Airframe, Night Vision Device Exterior Lighting, Airborne Mine Countermeasures (AMCM) Mission Equipment and Armed Helo Ancillary Equipment. Current retrofit plan is as follows: The Auxiliary Tank A kit (Engineering Change Proposal (ECP) 4000 retrofit) was retrofitted on 49 aircraft. ECP 4010 is a retrofit of ECP 4000. Auxiliary Tank B kits (two tanks per kit) and AMCM Mission Equipment are not procured on a one-for-one basis with the A kit modifications. No install is required. Night Vision Device Capable Aircraft Lighting will be retrofitted on 134 Aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The MH-60S aircraft completed Operational Evaluation in March 2002; Milestone III was completed 12 August 2002. The validation of the Auxiliary Tank capability was completed in the second quarter of FY 2005.

JUSTIFICATION FOR REQUIREMENTS AND CHANGES: This OSIP decreases by \$2.451(79%) from FY2015 to FY2016 due to a reduced number of AMCM modifications as the effort is completed.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 2 / 016-04 ARMED HELO/AMCM					
Models of Systems Affected: MH-60S				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 016-04 ARMED HELO/AMCM													
A Kits													
Recurring													
1.1.1) Archived ECPs - Organic	125 / 10.609	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	125 / 10.609	
1.1.2) Night Vision Device (NVD) Kits - NonOrganic	113 / 5.330	21 / 0.782	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	134 / 6.112	
1.1.3) Airborne Mine Countermeasures (AMCM) - NonOrganic ⁽¹⁾	11 / 0.030	64 / 0.144	55 / 0.126	55 / 0.128	- / -	55 / 0.128	34 / 0.081	- / -	- / -	- / -	- / -	219 / 0.509	
Subtotal: Recurring	- / 15.969	- / 0.926	- / 0.126	- / 0.128	- / -	- / 0.128	- / 0.081	- / -	- / -	- / -	- / -	- / 17.230	
Non-Recurring													
1.2.1) Installations Kits N/R - Organic ⁽²⁾	- / 4.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.205	
Subtotal: Non-Recurring	- / 4.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.205	
B Kits													
Recurring													
2.1.1) AMCM Mission Equipment - Organic	16 / 12.963	14 / 1.987	13 / 1.888	5 / 0.083	- / -	5 / 0.083	- / -	- / -	- / -	- / -	- / -	48 / 16.921	
2.1.2) Archive - Organic	- / 3.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.030	
Subtotal: Recurring	- / 15.993	- / 1.987	- / 1.888	- / 0.083	- / -	- / 0.083	- / -	- / -	- / -	- / -	- / -	- / 19.951	
Subtotal: 016-04 ARMED HELO/AMCM	265 / 36.167	99 / 2.913	68 / 2.014	60 / 0.211	- / -	60 / 0.211	34 / 0.081	- / -	- / -	- / -	- / -	526 / 41.386	
Subtotal: Procurement, All Modification Items	- / 36.167	- / 2.913	- / 2.014	- / 0.211	- / -	- / 0.211	- / 0.081	- / -	- / -	- / -	- / -	- / 41.386	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.488	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.488	
3.3) Training Equipment	- / -	- / 0.761	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.761	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 1.875	- / 0.300	- / 0.305	- / 0.315	- / -	- / 0.315	- / 0.142	- / -	- / -	- / -	- / -	- / 2.937	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 2.363	- / 1.061	- / 0.305	- / 0.315	- / -	- / 0.315	- / 0.142	- / -	- / -	- / -	- / -	- / 4.186	
Installation													
Modification Item 1 of 1: 016-04 ARMED HELO/AMCM	- / 2.413	- / 0.749	- / 0.782	- / 0.124	- / -	- / 0.124	- / 0.078	- / -	- / -	- / -	- / -	- / 4.146	
Subtotal: Installation	- / 2.413	- / 0.749	- / 0.782	- / 0.124	- / -	- / 0.124	- / 0.078	- / -	- / -	- / -	- / -	- / 4.146	
Total													

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 2 / 016-04 ARMED HELO/AMCM				
Models of Systems Affected: MH-60S				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
	Total Cost (Procurement + Support + Installation)	40.943	4.723	3.101	0.650	-	0.650	0.301	-	-	-	-	49.718

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0530 / SH-60 Series										Modification Number / Title: 2 / 016-04 ARMED HELO/AMCM											
Modification Item 1 of 1: 016-04 ARMED HELO/AMCM																															
Manufacturer Information																															
Manufacturer Name: NVD Lighting--Contractor Field Mod Team															Manufacturer Location: New MFG-Loc																
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 14																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates		Nov 2013																													
Delivery Dates		Jan 2015																													
Manufacturer Name: AMCM--Contractor Field Team															Manufacturer Location: New MFG - Loc																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 3																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates		Oct 2013				Oct 2014				Oct 2015				Oct 2016																	
Delivery Dates		Jan 2014				Jan 2015				Jan 2016				Jan 2017																	
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: Night Vision Device (NVD) Kits																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		74 / 2.327	36 / 0.610	3 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	113 / 2.997																		
FY 2014		- / -	- / -	21 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.600																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		74 / 2.327	36 / 0.610	24 / 0.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	134 / 3.597																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	74	9	9	9	9	-	9	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	134
Out	74	9	9	9	9	-	9	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	134

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 2 / 016-04 ARMED HELO/AMCM																						
Modification Item 1 of 1: 016-04 ARMED HELO/AMCM																																
Installation Information																																
Method of Implementation: [none specified]:: Installation Name: Airborne Mine Countermeasures (AMCM)																																
Installation Cost		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																			
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		11 / 0.086	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.086																		
FY 2014		- / -	64 / 0.139	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 0.139																		
FY 2015		- / -	- / -	55 / 0.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 0.122																		
FY 2016		- / -	- / -	- / -	55 / 0.124	- / -	55 / 0.124	- / -	- / -	- / -	- / -	- / -	- / -	55 / 0.124																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.078	- / -	- / -	- / -	- / -	- / -	34 / 0.078																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		11 / 0.086	64 / 0.139	55 / 0.122	55 / 0.124	- / -	55 / 0.124	34 / 0.078	- / -	- / -	- / -	- / -	- / -	219 / 0.549																		
Installation Schedule																																
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	11	-	21	21	22	-	18	19	18	-	18	19	18	-	13	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	219
Out	11	-	20	22	22	-	18	18	19	-	18	18	19	-	13	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	219
Method of Implementation (Organic): Organic - Archived ECPs																		Installation Quantity: 125														
Method of Implementation (Organic): Not Installed - AMCM Mission Equipment																		Installation Quantity: 48														
Footnotes:																																
(1) A-Kits--Airborne Mine Countermeasures (AMCM)--Increase in Unit Cost from year to year is due to the requirement of AMCM Mission Equipment Modifications (configuration change) resulting from correction of deficiencies that need to be incorporated in AMCM ancillary kits. Total Kits--These configuration changes and corrections of deficiencies also caused an increase in total AMCM aircraft modifications from 40 to 219.																																
(2) Four ECP 4000 kits installed as validation/verification Non-Recurring Engineering.																																

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 3 / 001-06 MH-60R WARFIGHTER

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>)	125.658	53.855	46.563	53.132	-	53.132	65.810	71.913	96.680	74.842	230.107	818.560
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	125.658	53.855	46.563	53.132	-	53.132	65.810	71.913	96.680	74.842	230.107	818.560
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	125.658	53.855	46.563	53.132	-	53.132	65.810	71.913	96.680	74.842	230.107	818.560

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

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

Description:

This line item funds modifications to the MH-60R Series aircraft to include airframe structures, avionics and mission systems. The modifications are part of the Pre-Planned Product Improvement (P3I) effort that includes upgrades to communication, navigation, Identification Friend or Foe (IFF), Link-16, Automatic Radar Periscope Detection and Discriminator (ARPDD), Common Data Link (CDL) Hawklink, Integrated Mechanical Diagnostic System (IMDS), Active Vibration Control, Advanced Data Transfer System, Moving Map Integration, Advanced Precision Kill Weapon System (APKWS), Aircraft Ship Integrated Secure and Traverse (ASIST) for LRIP I and subsequent aircraft. Link-16 supports the exchange of Command, Control, Communications, Computers, & Intelligence data that is required to operate in a Joint and North Atlantic Treaty Organization Battlespace. Link-16 is designed to support the exchange of formatted data messages rather than the "raw" data exchange that the existing C-Band Hawklink and CDL Hawklink will support. CDL Hawklink is an update to the current C-Band Hawklink that allows for an increase in bandwidth with the ability to transfer additional data. MH-60R is required to be backward-compatible with both legacy Surface Fleet Combat Systems and forward-compatible with new and under-development Surface Fleet Combat Systems at relatively long-range of not only voice and video information, but large amounts of sensor and tactical data. It is compliant with the Assistant Secretary of Defense C3I Letter dated 18 October 2004 directing commonality and interoperability between all Department of Defense airborne sensor platforms and meets the mandate for a common standard for transmission of unprocessed sensor information. The IMDS will improve aircraft performance and vibration parameters in flight. Link-16, CDL Hawklink, and IMDS are a part of the MH-60R Block Upgrades as specified in the evolutionary acquisition strategy for the program. The Acoustic Subsystem is a key component to meeting MH-60R Anti-Submarine Warfare mission requirements. This Operational Safety Improvement Program (OSIP) includes updates to obsolete components of the Acoustic Subsystem. The Acoustic Subsystem consists of Acoustic Processor, Airborne Low Frequency Sonar (ALFS) Transmitter/Receiver, Reeling Machines, Reeling Machine Interface Unit, Reeling Machine Control Unit, Transducer Assembly, and reel & cable. Night Vision Device improvements will incorporate enhancements to the Thunderstorm Light, ALFS Light, Recovery, Assist, Securing, and Traversing Panel, and Search Light. This OSIP includes all modifications that increase reliability, maintainability and/or mission capability for conduct of the Expanded Maritime Interception Operation (EMIO) mission. These modifications include but are not limited to: Helicopter Infrared Signature Suppression (HIRSS) to provide engine exhaust suppression for MH60R. The suppressor itself is removable; each MH-60R will be permanently modified to install the suppressor as required by mission. Embedded Automated Identification System capability will be procured for improved battlefield situational awareness for Command and Direct Action elements. Fixed Forward Firing Weapons Systems, ANVIS-24 Helmet Display Targeting System (HDTS) and associated modifications in execution of Fast Attack Craft/Fast Inshore Attack Craft (FAC/FIAC) Mission. Precise weapon arming required to employ crew-served weapons in close quarters require the coincident procurement of three aiming laser systems to kit with each weapon. The current AN/APS-147 Multi-Mode Radar (MMR) requires an initial upgrade prior to incorporating the ARPDD functionality. ARPDD provides the MH-60R the capability to detect very small, low visibility targets, such as periscopes and small vessels, and alert the aircrew to their presence from long distances, reducing aircrew workload and increasing battle group survivability. MH-60R aircraft will receive ARPDD capability, 125 will receive it this capability during production and 149 will be retrofitted for a total of 274 aircraft. The AN/APS-147 MMR consists of the Signal Data Processor/ARPDD Enhanced Processor, Receiver Transmitter (R/T), Antenna Pedestal, Antenna Array, and IFF R/T retrofits. Retrofits to the IFF R/T will provide Mode 5 interrogation capability. Instrument Landing System (ILS) provides precision approach capability ashore and to supplement currently available Precision Approach Radar (PAR) controlled approaches. The PAR is the only precision approach available to the MH-60R and is slated to be replaced by Joint Precision Approach Landing System (JPALS). Additionally, Very high frequency Omnidirectional Radio range (VOR) navigation capability included with the ILS system provides instrument navigation after disestablishment of Tactical Air Command and Navigation system in the Continental United States. The ADTS provides high-capacity storage and transfer of data with multi-level security enabling moving map integration and replacing obsolete components. The MH-60R/ALFS is the primary ASW sensor in the Carrier Strike Group. ALFS provides significant improvements in detection range over the legacy SH-60F/AQS-13 sonar. ALFS component failure rates have depleted the spares inventory, impacting deployed and non-deployed readiness, including the ability to support concurrent MH-60R deployments. ALFS reliability improvement efforts include but are not limited to the following: (1) Reeling machine sonar cable monitoring system to allow for immediate clearing of cable miswraps prior to cable damage, (2) Sonar Transmitter Receiver upgrade to provide cable uplink dynamic

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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equalizer to increase overall usable life of the sonar cable, (3) Transducer Assembly reliability improvement: Hydraulic Motor and stave retention, and (4) Reeling Machine locking device limit switches and aux electric motor power relay. Initial Cadre training will be needed as required per modification. Aircraft Ship Integrated Secure and Traverse System (ASIST) provides an integrated means to secure the MH-60R upon landing on ASIST equipped ships and securely traverse the aircraft into the hangar. As DDG 1000 is being equipped with ASIST, MH-60Rs will need to be modified with the ASIST aircraft components to allow full functioning of the ASIST system. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: SAASM Joint Common System Instruction Chairman of the Joint Chiefs of Staff Instruction 6140.01, issued 15 November 1998, mandates that all Precise Position Systems (i.e. GPS used on the MH-60R) users field SAASM-based user equipment and use black keys after 01 October 2002. Critical Design Review was completed April 2009. Automatic Radar Periscope Detection and Discriminator (ARPDD) capability was approved with CPD 260-05 dated 28 November 2005. CDR was completed April 2009. Milestones include contractor test completed in December 2010, developmental test completed in December 2011, and operational test started in July 2012. METHOD OF IMPLEMENTATION: CDL Hawklink, Sonar Transducer Receiver, GPS SAASM, ARPDD, and DVR are "O" Level Installs. JUSTIFICATION FOR REQUIREMENTS AND CHANGES: This OSIP increases \$6.569M (14.1%)from FY2015 to FY2016. ARPDD B Kit quantities increase from 9 in FY2015 to 14 in FY2016 (\$12.31M). This increase is required to keep ARPDD manufacturing at an economical rate. Overall ARPDD quantities significantly decrease in FY2016 due to MH-60R going out of production. ARPDD is procured with MH-60R APN-1 advanced procurement funding so the last year of procurement to support MH-60R production is FY2015. Other Support funding is required for acquisition, configuration/documentation management, scheduling of aircraft and installation activities, engineering, and test support required to incorporate the modifications on the MH-60R aircraft.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 3 / 001-06 MH-60R WARFIGHTER				
Models of Systems Affected: MH-60R			Modification Type: OPERATIONAL ENHANCEMENT					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 001-06 MH-60R WARFIGHTER													
A Kits													
Recurring													
1.1.1) ARCHIVED ECPs - Organic	259 / 52.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	259 / 52.297	
1.1.2) ACOUSTICS TECH INSERT KITS - NonOrganic	47 / 5.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 5.297	
1.1.3) INSTRUMENT LANDING SYSTEM (ILS) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	70 / 2.000	70 / 2.036	70 / 2.073	70 / 2.110	- / -	280 / 8.219	
1.1.4) CDL HAWKLINK KITS - Organic	48 / 26.159	12 / 6.808	12 / 6.471	5 / 1.751	- / -	5 / 1.751	- / -	- / -	- / -	- / -	- / -	77 / 41.189	
1.1.5) ARPDD KIT - Organic	- / -	35 / 0.331	26 / 0.286	16 / 0.211	- / -	16 / 0.211	16 / 0.265	- / -	- / -	- / -	- / -	93 / 1.093	
1.1.6) ASIST - NonOrganic	- / -	- / -	4 / 0.580	4 / 0.584	- / -	4 / 0.584	4 / 0.625	- / -	- / -	- / -	- / -	12 / 1.789	
1.1.7) ADTS Kit - NonOrganic ⁽³⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 4.424	176 / 28.160	203 / 32.584	
Subtotal: Recurring	- / 83.753	- / 7.139	- / 7.337	- / 2.546	- / -	- / 2.546	- / 2.890	- / 2.036	- / 2.073	- / 6.534	- / 28.160	- / 142.468	
B Kits													
Recurring													
2.1.1) APRDD KIT - Organic	- / -	15 / 21.780	9 / 15.300	14 / 27.610	- / -	14 / 27.610	21 / 39.184	22 / 41.882	26 / 49.639	12 / 23.047	8 / 16.544	127 / 234.986	
2.1.2) INSTRUMENT LANDING SYSTEM (ILS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	70 / 3.000	70 / 3.054	70 / 3.109	70 / 3.165	- / -	280 / 12.328	
2.1.3) ALFS Reliability Improvements - Organic	2 / 2.624	18 / 2.901	19 / 11.408	16 / 10.001	- / -	16 / 10.001	7 / 4.000	- / -	- / -	- / -	- / -	62 / 30.934	
2.1.4) HIRSS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.757	78 / 18.720	20 / 5.099	104 / 26.517	222 / 55.093	
2.1.5) ADTS RME Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 6.307	176 / 35.200	203 / 41.507	
Subtotal: Recurring	- / 2.624	- / 24.681	- / 26.708	- / 37.611	- / -	- / 37.611	- / 46.184	- / 49.693	- / 71.468	- / 37.618	- / 78.261	- / 374.848	
Non-Recurring													
2.2.1) ADTS NRE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.232	- / -	- / -	- / 5.232	
2.2.2) INSTALLATION EQUIPMENT N/R - Organic	- / 9.582	- / 6.749	- / -	- / 1.956	- / -	- / 1.956	- / 3.489	- / 6.550	- / 4.140	- / 6.592	- / 9.704	- / 48.762	
Subtotal: Non-Recurring	- / 9.582	- / 6.749	- / -	- / 1.956	- / -	- / 1.956	- / 3.489	- / 6.550	- / 9.372	- / 6.592	- / 9.704	- / 53.994	
Subtotal: 001-06 MH-60R WARFIGHTER	356 / 95.959	80 / 38.569	70 / 34.045	55 / 42.113	- / -	55 / 42.113	188 / 52.563	182 / 58.279	244 / 82.913	226 / 50.744	464 / 116.125	1,865 / 571.310	
Subtotal: Procurement, All Modification Items	- / 95.959	- / 38.569	- / 34.045	- / 42.113	- / -	- / 42.113	- / 52.563	- / 58.279	- / 82.913	- / 50.744	- / 116.125	- / 571.310	
Support (All Modification Items)													
3.1) ENGINEERING CHANGE ORDERS	- / -	- / 0.442	- / 0.374	- / 0.381	- / -	- / 0.381	- / 0.388	- / 0.395	- / 0.402	- / 0.409	- / 2.083	- / 4.874	
3.2) DATA	- / 0.682	- / 1.500	- / -	- / -	- / -	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / 2.382	
3.3) TRAINING EQUIPMENT	- / -	- / 2.500	- / 2.500	- / 0.182	- / -	- / 0.182	- / 0.500	- / 0.500	- / 0.601	- / 10.694	- / 39.162	- / 56.639	
3.4) SUPPORT EQUIPMENT	- / -	- / 2.500	- / -	- / -	- / -	- / -	- / 0.600	- / 0.610	- / 0.622	- / 0.633	- / 3.222	- / 18.187	
3.5) ILS	- / 3.134	- / 1.890	- / 2.680	- / 2.728	- / -	- / 2.728	- / 2.777	- / 2.827	- / 2.878	- / 2.930	- / 14.914	- / 36.758	

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 3 / 001-06 MH-60R WARFIGHTER				
Models of Systems Affected: MH-60R				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.6) OTHER SUPPORT ⁽⁴⁾	- / 21.856	- / 6.000	- / 6.964	- / 7.548	- / -	- / 7.548	- / 8.242	- / 8.389	- / 8.539	- / 8.694	- / 44.075	- / 120.307	
3.7) INTERIM CONTRACTOR SUPPORT	- / 2.575	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.575	
Subtotal: Support	- / 28.247	- / 14.832	- / 12.518	- / 10.839	- / -	- / 10.839	- / 12.707	- / 12.721	- / 13.042	- / 23.360	- / 103.456	- / 231.722	
Installation													
Modification Item 1 of 1: 001-06 MH-60R WARFIGHTER	- / 1.452	- / 0.454	- / -	- / 0.180	- / -	- / 0.180	- / 0.540	- / 0.913	- / 0.725	- / 0.738	- / 10.526	- / 15.528	
Subtotal: Installation	- / 1.452	- / 0.454	- / -	- / 0.180	- / -	- / 0.180	- / 0.540	- / 0.913	- / 0.725	- / 0.738	- / 10.526	- / 15.528	
Total													
Total Cost (Procurement + Support + Installation)	125.658	53.855	46.563	53.132	-	53.132	65.810	71.913	96.680	74.842	230.107	818.560	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0530 / SH-60 Series										Modification Number / Title: 3 / 001-06 MH-60R WARFIGHTER											
Modification Item 1 of 1: 001-06 MH-60R WARFIGHTER																															
Manufacturer Information																															
Manufacturer Name: ASIST--TBD															Manufacturer Location: TBD																
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 12																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates						Dec 2014				Dec 2015				Dec 2016																	
Delivery Dates						Dec 2015				Dec 2016				Dec 2017																	
Manufacturer Name: ILS--Contractor TBD															Manufacturer Location: TBD																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 3																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates														Mar 2017				Mar 2018				Mar 2019									
Delivery Dates														Jun 2017				Jun 2018				Jun 2019									
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: ACOUSTICS TECH INSERT KITS																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		33 / 1.452	14 / 0.454	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 1.906																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		33 / 1.452	14 / 0.454	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 1.906																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	33	4	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
Out	32	5	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 3 / 001-06 MH-60R WARFIGHTER			

Modification Item 1 of 1: 001-06 MH-60R WARFIGHTER

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: INSTRUMENT LANDING SYSTEM (ILS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.350	35 / 0.356	- / -	- / -	- / -	70 / 0.706
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.357	35 / 0.362	- / -	- / -	70 / 0.719
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.363	35 / 0.369	- / -	70 / 0.732
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.369	35 / 0.376	70 / 0.745
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.350	70 / 0.713	70 / 0.725	70 / 0.738	35 / 0.376	280 / 2.902

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	17	18	17	18	17	18	17	18	17	18	17	18	17	35	280
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	17	18	17	18	17	18	17	18	17	18	17	18	17	35	280

Method of Implementation: Contractor Field Mod Team:: Installation Name: ASIST

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	4 / 0.180	- / -	4 / 0.180	- / -	- / -	- / -	- / -	4 / 0.180
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.190	- / -	- / -	- / -	- / -	4 / 0.190
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200	- / -	- / -	- / -	4 / 0.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	4 / 0.180	- / -	4 / 0.180	4 / 0.190	4 / 0.200	- / -	- / -	12 / 0.570

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 3 / 001-06 MH-60R WARFIGHTER									

Modification Item 1 of 1: 001-06 MH-60R WARFIGHTER

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: ASIST

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	1	2	1	-	1	2	1	-	1	2	1	-	-	-	-	-	-	-	-	-	12
Out	-	-	-	-	-	-	-	-	-	-	1	1	2	-	1	1	2	-	1	1	2	-	-	-	-	-	-	-	-	-	12

Method of Implementation: Contractor Field Mod Team:: Installation Name: ADTS Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 1.350	27 / 1.350
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	176 / 8.800	176 / 8.800
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	203 / 10.150	203 / 10.150

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	203	203	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	203	203	

Method of Implementation (Organic): Organic - ARCHIVED ECPs

Installation Quantity: 259

Method of Implementation (Organic): Organic - CDL HAWKLINK KITS

Installation Quantity: 77

Method of Implementation (Organic): Organic - ARPDD KIT

Installation Quantity: 93

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 3 / 001-06 MH-60R WARFIGHTER
Modification Item 1 of 1: 001-06 MH-60R WARFIGHTER		
Installation Information		
Method of Implementation (Organic): Organic - APRDD KIT		Installation Quantity: 127
Method of Implementation (Organic): Not Installed - INSTRUMENT LANDING SYSTEM (ILS)		Installation Quantity: 280
Method of Implementation (Organic): Organic - ALFS Reliability Improvements		Installation Quantity: 62
Method of Implementation (Organic): Organic - HIRSS		Installation Quantity: 222
Method of Implementation (Organic): Not Installed - ADTS RME Kit		Installation Quantity: 203

Footnotes:

⁽³⁾ 1.1.7 and 2.1.5 ADTS kits previously listed as Moving Map Integration have been renamed to ADTS Kits to better define the efforts.

⁽⁴⁾ Other Support funding is required for acquisition, configuration/documentation management, scheduling of aircraft and installation activities, engineering, and test support required to incorporate the modifications on the MH-60R aircraft.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER

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>)	133.462	37.779	37.546	39.606	-	39.606	36.771	33.227	38.373	39.549	180.617	576.930
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	133.462	37.779	37.546	39.606	-	39.606	36.771	33.227	38.373	39.549	180.617	576.930
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	133.462	37.779	37.546	39.606	-	39.606	36.771	33.227	38.373	39.549	180.617	576.930

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

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

Description:

DESCRIPTION/JUSTIFICATION: DESCRIPTION/JUSTIFICATION: This line item funds modifications to the MH-60S series airframe structures, avionics and mission systems and provides for the retrofit of Engineering Change Proposal (ECP) 4034 which includes two phases: Airborne Mine Countermeasures (AMCM) Block 2B (Airborne Mine Neutralization System and Airborne Laser Mine Detection System) and full 3B Pre-Planned Product Improvement (P3I) effort includes: Link-16, Advanced Data Transfer System, Downed Aviator Locator System, Selective Availability Anti-Spoofing Module, Global Positioning System (GPS) Antenna System-1 (GAS-1), Aircraft Personality Control Module, Identification Friend or Foe Mode S and Mode 5, and communication upgrades, airframe provisions into 60 Block 1/2/3 aircraft; ECP 4034 P3I Lite includes Communications Upgrades on 46 Block 1 aircraft; ECP 4015/Armed Helo Block 3A weapons airframe provision (H60-50) into 32 Block 2A aircraft; Airframe provisions and Removable Mission kits for Forward Firing Weapons Guns and Rockets and ANVIS-24 Helmet Display Targeting System (HDTS) to provide a response capability to the Fast Attack Craft/Fast Inshore Attack Craft (FAC/ FIAC) threat, Data Link, including Full Motion Video, airframe provisions and Removable Mission Kits and corresponding trainer updates. This Operational Safety Improvement Program (OSIP) also provides the retrofit of ECP 4012 and 4039 required for the aircraft structural loads imposed by the addition of the AMCM and Armed Helo capabilities. This OSIP also provides retrofit of Active Vibration Control in 82 MH-60S aircraft and Integrated Mechanical Diagnostics System (IMDS) in 169 MH-60S aircraft to achieve a common configuration for vibration and IMDS. IMDS includes a crash survivable flight data recorder capability as well as providing capabilities required for transition to Condition Based Maintenance and to employ Military Flight Operations Quality Assurance capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The MH-60S Aircraft completed Milestone III in August 2002. Armed Helo achieved Initial Operational Capability (IOC) in June 2007. IMDS and P3I achieved IOC in December 2009. AMCM will achieve IOC in FY2015.

JUSTIFICATION FOR REQUIREMENTS AND CHANGES: OSIP 009-07 increases \$2.06M (5.5%) from FY2015 to FY2016.

1.2.1 Data Link NRE funding added to integrate Data Link components into the MH-60S aircraft. Data Link A kit installs are not one for one with removable mission equipment (RME). RME will be utilized per fleet mission requirements.

1.1.7 Data Link reflects \$6.086M reduction enacted in the FY2015 Appropriations Act.

1.1.8 FFW A kit installs are not one for one with RME. RME will be utilized per fleet mission requirements. FFW A kits were expedited to meet CNO High Priority FAC/FIAC capability solutions. Additional A kits have been added to meet fleet requirements. FFW increases 38 Qty / \$0.570M from FY2015 to FY2016 to meet fleet requirements for additional FFW configured aircraft required to meet CNO High Priority FAC/ FIAC capability solutions.

1.1.10 HDTS A kit installs are not one for one with RME. RME will be utilized per fleet mission requirements.

3.3 Training equipment in FY2016 is required to include aircraft operating procedures updates for FAC/FIAC/FFW capabilities to include HDTS, guns, rockets, and Data Link modifications in the operation flight, maintenance, and weapons load trainers and courseware.

3.5 ILS support increased by \$0.602M from FY2015 to FY2016 to support fielding of FAC/FIAC/FFW capabilities to include guns, rockets and HDTS targeting capabilities as well as Data Link.

3.6 Other Support increased by \$2.288M from FY2015 to FY2016 due to additional efforts required as a result of the start of the HDTS modification and additional FY16 FAC/FIAC/FFW requirements. Other support is required for acquisition, coordination/scheduling of aircraft and installation activities, engineering, and test support required to incorporate the modification on the MH-60S aircraft.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER				
Models of Systems Affected: MH-60S			Modification Type: OPERATIONAL ENHANCEMENT					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER													
A Kits													
Recurring													
1.1.1) ARCHIVED ECPs - Organic	123 / 32.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	123 / 32.147	
1.1.2) ECP 4034 Block 2B/Block 3B Full P3I - NonOrganic	46 / 8.190	8 / 3.380	6 / 1.271	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 12.841	
1.1.3) ECP 4034 Block 3B Partial P3I - NonOrganic	45 / 1.006	1 / 0.007	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 1.013	
1.1.4) ECP 4039 - NonOrganic	38 / 6.445	16 / 1.370	14 / 1.295	15 / 1.383	- / -	15 / 1.383	4 / 0.394	- / -	- / -	- / -	- / -	87 / 10.887	
1.1.5) ECP 4046 AVC/DALS - NonOrganic	9 / 2.665	3 / 0.850	10 / 2.800	12 / 3.640	- / -	12 / 3.640	16 / 4.480	10 / 3.000	16 / 4.480	- / -	- / -	76 / 21.915	
1.1.6) Integrated Mechanical Diagnostics Systems (IMDS) - NonOrganic	111 / 11.157	9 / 1.665	17 / 2.975	17 / 3.145	- / -	17 / 3.145	12 / 2.280	3 / 0.540	- / -	- / -	- / -	169 / 21.762	
1.1.7) Data Link A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	18 / 2.910	18 / 2.963	24 / 4.021	24 / 4.094	135 / 22.516	219 / 36.504	
1.1.8) FFW - NonOrganic	140 / 1.435	38 / 0.494	- / -	38 / 0.570	- / -	38 / 0.570	- / -	- / -	- / -	- / -	- / -	216 / 2.499	
1.1.9) ECP 4057 Lower Anti-Collision Fix - Organic	- / -	- / -	60 / 0.180	60 / 0.182	- / -	60 / 0.182	60 / 0.184	60 / 0.196	21 / 0.092	6 / 0.026	- / -	267 / 0.860	
1.1.10) HDTS Akit - NonOrganic	- / -	- / -	- / -	12 / 0.432	- / -	12 / 0.432	18 / 0.660	18 / 0.671	24 / 0.911	24 / 0.928	123 / 4.641	219 / 8.243	
1.1.11) ADTS Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 3.310	176 / 28.160	203 / 31.470	
Subtotal: Recurring	- / 63.045	- / 7.766	- / 8.521	- / 9.352	- / -	- / 9.352	- / 10.908	- / 7.370	- / 9.504	- / 8.358	- / 55.317	- / 180.141	
Non-Recurring													
1.2.1) Data Link NRE - Organic	- / -	- / -	- / 4.556	- / 3.019	- / -	- / 3.019	- / -	- / -	- / -	- / -	- / -	- / 7.575	
1.2.2) Installation Kits N/R - Organic	- / 28.465	- / -	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.765	
Subtotal: Non-Recurring	- / 28.465	- / -	- / 4.856	- / 3.019	- / -	- / 3.019	- / -	- / -	- / -	- / -	- / -	- / 36.340	
B Kits													
Recurring													
2.1.1) FFW (B Kits)/RME - Organic	61 / 15.150	90 / 19.336	32 / 8.959	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	183 / 43.445	
2.1.2) Data Link RME - Organic	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.400	12 / 2.443	14 / 2.902	14 / 2.954	59 / 10.339	111 / 21.038	
2.1.3) HDTS RME - Organic	- / -	- / -	- / -	8 / 2.651	- / -	8 / 2.651	12 / 4.056	12 / 4.137	14 / 4.924	14 / 5.022	60 / 21.523	120 / 42.313	
2.1.4) ADTS RME Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 3.664	176 / 35.200	203 / 38.864	
Subtotal: Recurring	- / 15.150	- / 19.336	- / 8.959	- / 2.651	- / -	- / 2.651	- / 6.456	- / 6.580	- / 7.826	- / 11.640	- / 67.062	- / 145.660	
Non-Recurring													
2.2.1) ADTS NRE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.047	- / -	- / -	- / 5.047	
2.2.2) Installation Equipment N/R - Organic	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	
Subtotal: Non-Recurring	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.047	- / -	- / -	- / 5.097	
Subtotal: 009-07 MH-60S WARFIGHTER	573 / 106.710	165 / 27.102	139 / 22.336	162 / 15.022	- / -	162 / 15.022	152 / 17.364	133 / 13.950	113 / 22.377	136 / 19.998	729 / 122.379	2,302 / 367.238	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER				
Models of Systems Affected: MH-60S				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Subtotal: Procurement, All Modification Items												
Support (All Modification Items)												
3.1) Engineering Change Orders												
3.2) Data												
3.3) Training Equipment ⁽⁵⁾												
3.4) Support Equipment												
3.5) ILS ⁽⁶⁾												
3.6) Other Support ⁽⁷⁾												
3.7) Interim Contractor Support												
Subtotal: Support												
Installation												
Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER												
Subtotal: Installation												
Total												
Total Cost (Procurement + Support + Installation)												

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0530 / SH-60 Series			Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER	
Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER							
Manufacturer Information							
Manufacturer Name: ECP 4034 Full -- Sikorsky Aircraft Corporation				Manufacturer Location: Stratford, CT			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 8			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jan 2014	Nov 2014					
Delivery Dates	Sep 2014	Jun 2015					
Manufacturer Name: ECP 4034 Partial -- Sikorsky Aircraft Corporation				Manufacturer Location: Stratford, CT			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 8			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jan 2014						
Delivery Dates	Sep 2014						
Manufacturer Name: ECP 4039 -- Sikorsky Aircraft Corporation				Manufacturer Location: Stratford, CT			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 18			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Feb 2014	Feb 2015	Feb 2016	Feb 2017			
Delivery Dates	Aug 2015	Aug 2016	Aug 2017	Aug 2018			
Manufacturer Name: ECP 4046 AVC/DALS -- FRCMA/FRCSW				Manufacturer Location: Norfolk, VA/San Diego, CA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 13			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019
Delivery Dates	Jan 2015	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019	Dec 2020
Manufacturer Name: IMDS -- Goodrich				Manufacturer Location: Vergennes, VT			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017		
Delivery Dates	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018		
Manufacturer Name: FFW-- NSWC Crane				Manufacturer Location: Crane, IN			
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jun 2014		Jun 2016				
Delivery Dates	Oct 2014		Oct 2016				
Manufacturer Name: HDTS Akit				Manufacturer Location: TBD			

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER				
Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER												
Manufacturer Information												
Administrative Leadtime (in Months): 4						Production Leadtime (in Months): 10						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates			Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020					
Delivery Dates			Nov 2016	Nov 2017	Nov 2018	Nov 2019	Nov 2020					
Manufacturer Name: ADTS						Manufacturer Location: TBD						
Administrative Leadtime (in Months): 6						Production Leadtime (in Months): 12						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates							Mar 2020					
Delivery Dates							Feb 2021					
Manufacturer Name: Data Link						Manufacturer Location: TBD						
Administrative Leadtime (in Months): 4						Production Leadtime (in Months): 10						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates				Feb 2017	Feb 2018	Feb 2019	Feb 2020					
Delivery Dates				Dec 2017	Dec 2018	Dec 2019	Dec 2020					
Installation Information												
Method of Implementation: Contractor Field Mod Team:: Installation Name: ECP 4034 Block 2B/Block 3B Full P3I												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	32 / 2.237	14 / 0.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 3.112
FY 2014	- / -	- / -	8 / 0.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.640
FY 2015	- / -	- / -	6 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.480
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	32 / 2.237	14 / 0.875	14 / 1.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 4.232

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER									

Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: ECP 4034 Block 2B/Block 3B Full P3I

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	32	4	4	4	2	4	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
Out	28	4	4	4	4	2	4	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60

Method of Implementation: Contractor Field Mod Team:: Installation Name: ECP 4034 Block 3B Partial P3I

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	30 / 1.266	6 / 0.046	9 / 0.158	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 1.470
FY 2014	- / -	- / -	1 / 0.018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.018
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	30 / 1.266	6 / 0.046	10 / 0.176	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 1.488

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	30	3	3	-	-	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	
Out	30	3	3	-	-	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	

Method of Implementation: Contractor Field Mod Team:: Installation Name: ECP 4039

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	24 / 4.587	- / -	14 / 3.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 8.287
FY 2014	- / -	- / -	- / -	16 / 3.962	- / -	16 / 3.962	- / -	- / -	- / -	- / -	- / -	16 / 3.962

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER					

Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: ECP 4039

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	2 / 0.566	- / -	2 / 0.566	12 / 3.396	- / -	- / -	- / -	- / -	14 / 3.962
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.849	12 / 3.396	- / -	- / -	- / -	15 / 4.245
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.132	- / -	- / -	- / -	4 / 1.132
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 4.587	- / -	14 / 3.700	18 / 4.528	- / -	18 / 4.528	15 / 4.245	16 / 4.528	- / -	- / -	- / -	87 / 21.588

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	24	-	-	-	-	4	4	4	2	4	5	4	5	4	4	4	3	4	4	4	4	-	-	-	-	-	-	-	-	-	87
Out	20	4	-	-	-	1	4	4	5	4	5	4	3	4	4	4	2	3	4	4	4	4	-	-	-	-	-	-	-	-	87

Method of Implementation: Contractor Field Mod Team:: Installation Name: ECP 4046 AVC/DALS

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	9 / 1.593	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.593
FY 2014	- / -	- / -	3 / 0.042	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.042
FY 2015	- / -	- / -	- / -	10 / 2.500	- / -	10 / 2.500	- / -	- / -	- / -	- / -	- / -	10 / 2.500
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	12 / 3.054	- / -	- / -	- / -	- / -	12 / 3.054
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 4.072	- / -	- / -	- / -	16 / 4.072
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.591	- / -	- / -	10 / 2.591
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 4.220	- / -	16 / 4.220
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	12 / 1.635	10 / 2.500	- / -	10 / 2.500	12 / 3.054	16 / 4.072	10 / 2.591	16 / 4.220	- / -	76 / 18.072

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER									

Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: ECP 4046 AVC/DALS

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	4	4	4	1	2	4	3	1	3	4	4	3	4	5	4	2	3	3	2	4	4	4	4	-	76
Out	-	-	-	-	-	-	4	4	4	1	1	4	4	1	3	4	4	3	4	4	5	1	3	3	3	4	4	4	4	-	76

Method of Implementation: Depot Field Mod Team:: Installation Name: Integrated Mechanical Diagnostics Systems (IMDS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	69 / 4.059	42 / 2.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	111 / 6.184
FY 2014	- / -	- / -	9 / 0.630	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.630
FY 2015	- / -	- / -	- / -	17 / 1.054	- / -	17 / 1.054	- / -	- / -	- / -	- / -	- / -	17 / 1.054
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	17 / 1.071	- / -	- / -	- / -	- / -	17 / 1.071
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.768	- / -	- / -	- / -	12 / 0.768
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.195	- / -	- / -	3 / 0.195
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	69 / 4.059	42 / 2.125	9 / 0.630	17 / 1.054	- / -	17 / 1.054	17 / 1.071	12 / 0.768	3 / 0.195	- / -	- / -	169 / 9.902

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	69	10	11	10	11	-	3	3	3	4	4	5	4	4	4	5	4	3	3	3	3	3	-	-	-	-	-	-	-	-	169
Out	69	10	11	10	11	-	3	3	3	4	4	5	4	4	4	5	4	3	3	3	3	3	-	-	-	-	-	-	-	-	169

Method of Implementation: Depot Field Mod Team:: Installation Name: Data Link A Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER			

Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: Data Link A Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.540	- / -	- / -	- / -	18 / 0.540
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.540	- / 0.540	- / -	18 / 1.080
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.720	- / -	24 / 0.720
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.720	24 / 0.720
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	135 / 3.960	135 / 3.960
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.540	18 / 0.540	24 / 1.260	159 / 4.680	219 / 7.020

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	5	5	4	4	5	5	6	6	6	6	159	219	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	5	5	4	4	5	5	6	6	6	6	159	219	

Method of Implementation: Contractor Field Mod Team:: Installation Name: FFW

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	80 / 0.528	60 / 0.622	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	140 / 1.150
FY 2014	- / -	- / -	38 / 0.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 0.418
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	38 / 0.456	- / -	- / -	- / -	- / -	38 / 0.456
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	80 / 0.528	60 / 0.622	38 / 0.418	- / -	- / -	- / -	38 / 0.456	- / -	- / -	- / -	- / -	216 / 2.024

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER									

Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: FFW

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	80	15	15	15	15	9	9	10	10	-	-	-	-	9	9	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	216
Out	80	15	15	15	15	9	9	10	10	-	-	-	-	9	9	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	216

Method of Implementation: Contractor Field Mod Team:: Installation Name: HDTS Akit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.480	- / -	- / -	- / -	- / -	12 / 0.480
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.738	- / -	- / -	- / -	18 / 0.738
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.756	- / -	- / -	18 / 0.756
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.032	- / -	24 / 1.032
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.050	24 / 1.050
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	123 / 5.390	123 / 5.390
Total	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.480	18 / 0.738	18 / 0.756	24 / 1.032	147 / 6.440	219 / 9.446

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	4	4	5	5	4	4	5	5	6	6	6	6	147	219
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	4	4	5	5	4	4	5	5	6	6	6	6	147	219

Method of Implementation: [none specified]:: Installation Name: ADTS Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy											Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1											P-1 Line Item Number / Title: 0530 / SH-60 Series											Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER										
Modification Item 1 of 1: 009-07 MH-60S WARFIGHTER																																
Installation Information																																
Method of Implementation: [none specified]:: Installation Name: ADTS Kits																																
Installation Cost		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																			
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Installation Schedule																																
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	203	203	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	203	203	
Method of Implementation (Organic): Organic - ARCHIVED ECPs																												Installation Quantity: 123				
Method of Implementation (Organic): Organic - ECP 4057 Lower Anti-Collision Fix																												Installation Quantity: 267				
Method of Implementation (Organic): Organic - FFW (B Kits)/RME																												Installation Quantity: 183				
Method of Implementation (Organic): Not Installed - Data Link RME																												Installation Quantity: 111				
Method of Implementation (Organic): Not Installed - HDTS RME																												Installation Quantity: 120				
Method of Implementation (Organic): Not Installed - ADTS RME Kit																												Installation Quantity: 203				
Footnotes:																																

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 4 / 009-07 MH-60S WARFIGHTER
⁽⁵⁾ 3.3 Training equipment in FY2016 is required to include aircraft operating procedures updates for FAC/FIAC/FFW capabilities to include HDTS, guns, rockets, and Data Link modifications in the operation flight, maintenance, and weapons load trainers and courseware. ⁽⁶⁾ 3.5 ILS support increased by \$0.602M from FY2015 to FY2016 to support fielding of FAC/FIAC/FFW capabilities to include guns, rockets and HDTS targeting capabilities as well as Data Link. ⁽⁷⁾ 3.6 Other Support increased by \$2.288M from FY2015 to FY2016 due to additional efforts required as a result of the start of the HDTS modification and additional FY16 FAC/FIAC/FFW requirements.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 5 / 023-08 H-60 OVERLAND MISSIONS

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>	32.526	2.601	0.341	-	-	-	-	-	-	-	-	35.468
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	32.526	2.601	0.341	-	-	-	-	-	-	-	-	35.468
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	32.526	2.601	0.341	-	-	-	-	-	-	-	-	35.468
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The H-60 Overland Missions Operational Safety Improvement Program (OSIP) funds the modifications to the H-60 series aircraft in support of Fleet operations for in-country / overland missions. The modifications included under this OSIP will protect the aircraft from physical damage due to the operational environment in order to increase reliability, maintainability and /or mission capability for the conduct of the in-country / overland mission. Additionally, the modifications may include aircraft avionics and missions systems that allow for overland operations in degraded visual flight environments (DVE) that are unique to missions conducted in unimproved terrain, both day and night and in all weather conditions. This includes terrain avoidance warning systems, precision overland navigation awareness displays, enhanced radar laser detection systems for obstacle and power line avoidance, and additional developmental items that pertain to operations in degraded visual environments. Adding a Dual Embedded GPS Inertial (EGI) Navigation Sensor and upgraded software for the Horizontal Situation Visual Display (HSVD) will provide pilots with instantaneous and precise positioning data and hover-specific symbology, greatly enhancing situational awareness when landing in DVE. Additional modifications include a high altitude oxygen system for use while operating in mountains, ballistic floor armor for protection against small arms fire and small arms storage for troop safety. Initial cadre operational and maintenance training will be needed as required per modification.

Congressional Add funding received in FY2013 for special warfare support helicopter capability upgrade will provide the following: The Navy SOF Support Forces fly joint missions with the Special Operations Command requiring common Mission Planning Systems and IR Searchlight capability to ensure fully integrated joint operations. Additionally, Full Motion Video capability is required to allow imagery and target data with Carrier Strike Group and Joint Special Operations forces, increasing battlefield situational awareness, improving safety-of-forces and enhancing precession strike capability in close-air-support of Special Warfare forces. With FLIR not installed, the aircraft requires a counterweight to keep the center of gravity within maintenance/ operational parameters. Force XXXI Battle Command Brigade and Below (FBCB2) Blue Force Tracker (BFT) is a current theatre requirement for overland helicopter missions. FBCB2 BFT provides two-way, near-real-time friendly force and threat location and display, two-way text messaging, and tactical operation center support. System is designed to improve Commander and cockpit situational awareness to improve combat effectiveness and mitigate fratricide risks. Blue Force Situational Awareness is the follow-on system to BFT2 adding an encryption capability to the system. A scratch resistant center windscreen will replace the plexiglass windscreen and allow for increased visual acuity. Reinforced, upgraded soundproofing and improved, upgraded window track hardware will also be installed in HH-60H aircraft. This OSIP also provides retrofit of Integrated Mechanical Diagnostics System (IMDS) in 34 HH-60H aircraft to achieve a common configuration for vibration and IMDS. IMDS includes a crash survivable flight data recorder capability as well as providing capabilities required for transition to Condition Based Maintenance and to employ Military Flight Operations Quality Assurance capability.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 5 / 023-08 H-60 OVERLAND MISSIONS				
Models of Systems Affected: SH-60B, SH-60F, HH-60H, MH-60R, MH-60S				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: 023-08 H-60 OVERLAND MISSIONS												
A Kits												
Recurring												
1.1.1) Special War Upgrades--Congressional - NonOrganic	30 / 2.915	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 2.915
1.1.2) Degraded Visual Environments (DVE) Kit - OCO - NonOrganic	16 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.000
1.1.3) DVE Kit - NonOrganic	13 / 2.172	3 / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 2.753
1.1.4) Archived kits and Installations - Organic	116 / 5.322	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	116 / 5.322
Subtotal: Recurring	- / 11.409	- / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.990
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 4.073	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.073
1.2.2) Special War Upgrades - Congressional - Organic	- / 2.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.295
Subtotal: Non-Recurring	- / 6.368	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.368
B Kits												
Recurring												
2.1.1) Special War Upgrades--Congressional: Window Systems - NonOrganic ⁽⁸⁾	35 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.300
2.1.2) Special War Upgrades--Congressional - Organic	159 / 7.928	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	159 / 7.928
Subtotal: Recurring	- / 9.228	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.228
Subtotal: 023-08 H-60 OVERLAND MISSIONS	369 / 27.005	3 / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	372 / 27.586
Subtotal: Procurement, All Modification Items	- / 27.005	- / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.586
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.304	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.304
3.3) Training Equipment	- / 1.133	- / 0.688	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.821
3.4) Support Equipment	1 / 0.015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.015
3.5) ILS	- / -	- / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.465
3.6) Other Support	- / 0.307	- / 0.435	- / 0.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.895
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 1.759	- / 1.588	- / 0.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.500

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 5 / 023-08 H-60 OVERLAND MISSIONS				
Models of Systems Affected: SH-60B, SH-60F, HH-60H, MH-60R, MH-60S				Modification Type: OPERATIONAL ENHANCEMENT				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Installation													
Modification Item 1 of 1: 023-08 H-60 OVERLAND MISSIONS	- / 3.762	- / 0.432	- / 0.188	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.382	
Subtotal: Installation	- / 3.762	- / 0.432	- / 0.188	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.382	
Total													
Total Cost (Procurement + Support + Installation)	32.526	2.601	0.341	-	-	-	-	-	-	-	-	35.468	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0530 / SH-60 Series										Modification Number / Title: 5 / 023-08 H-60 OVERLAND MISSIONS											
Modification Item 1 of 1: 023-08 H-60 OVERLAND MISSIONS																															
Manufacturer Information																															
Manufacturer Name: DVE -- Contractor Field Mod Team															Manufacturer Location: New MFG - Loc																
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 12																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates		Jan 2014																													
Delivery Dates		Jan 2015																													
Manufacturer Name: Special War Upgrades--Cong. ⁽⁹⁾															Manufacturer Location: New MFG - Loc																
Administrative Leadtime (in Months): 8															Production Leadtime (in Months): 4																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: Special War Upgrades - Congressional																															
Installation Cost		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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		0 / 2.762	28 / 0.000	37 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / 2.762																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		0 / 2.762	28 / -	37 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / 2.762																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	5	8	8	7	9	10	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65
Out	-	5	8	8	7	8	10	10	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 5 / 023-08 H-60 OVERLAND MISSIONS

Modification Item 1 of 1: 023-08 H-60 OVERLAND MISSIONS

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: HH-60H DVE

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	16 / 1.000	13 / 0.432	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1.432
FY 2014	- / -	- / -	3 / 0.188	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.188
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	16 / 1.000	13 / 0.432	3 / 0.188	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 1.620

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	16	-	3	5	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	
Out	16	-	3	5	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	

Method of Implementation (Organic): Not Installed - Archived kits and Installations	Installation Quantity: 116

Method of Implementation (Organic): Organic - Special War Upgrades--Congressional	Installation Quantity: 159

Footnotes:

⁽⁸⁾ FY2013 Congressional Add for Special War Upgrades funds these installations.

⁽⁹⁾ Special War Upgrades--Congressional

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 6 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT

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>)	12.812	18.894	11.982	11.782	-	11.782	11.044	12.976	13.965	14.532	183.666	291.653
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	12.812	18.894	11.982	11.782	-	11.782	11.044	12.976	13.965	14.532	183.666	291.653
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	12.812	18.894	11.982	11.782	-	11.782	11.044	12.976	13.965	14.532	183.666	291.653
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The H-60 aircraft sustainment strategy targets initiatives to remedy the top age-related maintenance degraders that impede the aircraft's ability to operate into the future. This effort will sustain the H-60 in an affordable manner until the follow-on aircraft becomes available. The increase in this Operational Safety Improvement Program (OSIP) reflects the increasing shift towards aircraft modifications as the sole means to incorporate changes on the H-60 Aircraft.

In order to mitigate the risk of Diminishing Manufacturing Sources and Material Shortages (DMSMS) the H-60 program has proactive plan to manage the risk associated with obsolescence issues. DMSMS includes material obsolescence which may occur at the part, module, component, equipment, or other system indenture level. These situations may cause material shortages that endanger H-60 capabilities, readiness, and life cycle support. Preliminary efforts include the incorporation of system bill of materials (BOM) for active monitoring into predictive tools to prioritize and determine risk associated with possible DMSMS occurrences. When issues arise, the solution involves procurement from alternate sources, substitution of components, life of type buys, emulation of components, or ultimately system redesign requiring the modification of H-60 systems.

Wire insulation breaches occur in all aircraft regardless of age, and a breach in the wire is a precursor of wire failure, often resulting in forced landings or even loss of the aircraft and crew. The typical wire inspection employed by military electricians is visual and does not meet the needs of emerging aircraft wiring problems. Obvious failures, such as severed wire, can be detected with human sight; however, visual inspections will not detect the slow erosion associated with the aging process of wire. Further, studies have proven that only twenty-five percent of any aircraft wiring system can be visually inspected without extensive removal of access panels, floorboards, and sound proofing. New FLIR W2 cables and pin saver cable will be procured. This cable will prevent incorrect installation of the cable onto the FLIR, thereby reducing the chance of damaging the FLIR. Upgraded Embedded Inertial Navigation System/Global Positioning System (EGI) will be required to utilize modernized GPS signals. EGI provides positional data for navigation and weapons systems and is required to meet CNO mandated Communication, Navigation, Identification/Air Traffic Management (CNS-ATM) requirements. Additional modifications included under this OSIP will protect the aircraft from physical damage due to the operational environment in order to increase reliability, maintainability and/or mission capability for the conduct of the in-country/overland mission. Trainers/training will be updated as required to maintain configuration with fleet aircraft.

The H-60 Aircraft are included in the Department of the Navy Aviation Plan through calendar year 2045. The H-60 Aircraft Sustainment Strategy targets initiatives to remedy the top age-related maintenance degraders, fatigue life limiters, and safety issues that impede the aircraft's ability to operate into the future. This program implements a concentrated effort to utilize improvements to the H-60 component obsolescence (e.g. engine redesign), structural limitations (e.g. tail pylon, canted bulkhead, station 308 structural improvement), aircrew safety systems, aircraft wiring analysis health, and program sustainment support.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 6 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT
Aircraft modification/replacement of the ASN-150 computer and the communication system controller in the HH-60H will allow for future software builds. The current computer has obsolescence issues and does not have the memory or processing speed for new software builds. Other obsolescence issues to be modified are the Automatic Flight Control System control panel, SBU-28 rate gyro and hellfire control units. Aircraft floor boards, sound proofing and environmental control system duct work must be replaced as the aircraft ages and these items wear due to use in addition to other engine, structural, avionics and aircrew safety systems. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Over the past 3 years reliability centered maintenance analyses and studies have been accomplished identifying the major airframe harnesses of the H-60 aircraft along with the necessary support equipment required to identify the breaches and integrity of the major airframe harnesses. Those harnesses are being revitalized and remanufactured with the latest technologies available today and will be installed at the next Periodic Maintenance Interval (PMI) for selected aircraft. The necessary Aircraft Wiring Analyzer test sets and associated Operational Test Program Sets for all H-60 aircraft and PMI sites are being developed on a similar schedule to be fielded concurrently with the install schedule. SH-60B Tired Wiring commenced the second quarter of FY2012 and will complete the first quarter of FY2015. HH-60H Tired Wiring commences the second quarter of FY2013 and will complete the third quarter of FY2016. JUSTIFICATION FOR REQUIREMENTS AND CHANGES: This OSIP decreases by \$.2M (1%) from FY2015 to FY2016. There are large fluctuations in Support elements since several Type/Model/Series (T/M/S) of aircraft are receiving new wiring and new harnessses sequentially. Costs increase as one T/M/S starts the process and increases again as the one T/M/S continues and the next aircraft begins the process.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0530 / SH-60 Series					Modification Number / Title: 6 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT				
Models of Systems Affected: SH-60B, SH-60F, HH-60H, MH-60S, MH-60R			Modification Type: SUSTAINMENT					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT												
A Kits												
Recurring												
1.1.1) SH-60B Wiring - NonOrganic	13 / 2.511	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 2.511
1.1.2) HH-60H Wiring - NonOrganic	9 / 1.710	30 / 2.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 4.337
1.1.3) Obsolescence Components Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 30.000	35 / 30.000
1.1.4) ACRT - Organic	- / -	- / -	35 / 0.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.070
1.1.5) CAP HH-60H - Organic	- / -	37 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 0.400
Subtotal: Recurring	- / 4.221	- / 3.027	- / 0.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.000	- / 37.318
Non-Recurring												
1.2.2) Obsolescence Components Kits - Organic	- / -	- / 1.820	- / 1.510	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / 23.600	- / 27.930
1.2.3) SH-60B Installation Kits N/R - Organic	- / 0.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.804
1.2.4) HH-60H Installation Kits N/R - Organic	- / 0.552	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.552
Subtotal: Non-Recurring	- / 1.356	- / 1.820	- / 1.510	- / 1.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / 23.600	- / 29.286
B Kits												
Recurring												
2.1.1) Avionics B Kits - Organic	- / -	42 / 1.545	3 / 1.708	6 / 2.400	- / -	6 / 2.400	8 / 2.899	22 / 2.420	8 / 3.200	17 / 3.700	51 / 5.100	157 / 22.972
2.1.2) Mission System B Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.100	- / -	- / -	51 / 5.100	61 / 6.200
2.1.3) Weapons B Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.200	- / -	- / -	45 / 4.500	55 / 5.700
Subtotal: Recurring	- / 0.000	- / 1.545	- / 1.708	- / 2.400	- / -	- / 2.400	- / 2.899	- / 4.720	- / 3.200	- / 3.700	- / 14.700	- / 34.872
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / -	- / 1.700	- / -	- / 1.700	- / -	- / -	- / -	- / -	- / -	- / 1.700
2.2.2) Helo Trak Net NRE - Organic	- / -	- / 1.304	- / 0.454	- / 0.463	- / -	- / 0.463	- / -	- / -	- / -	- / -	- / -	- / 2.221
2.2.3) ACRT NRE - Organic	- / -	- / 1.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.275
2.2.4) CAP NRE - Organic	- / -	- / 1.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.360
2.2.5) MH-60R/S Obsolescence NRE Phase 1 - Organic	- / -	- / 3.659	- / 4.035	- / 3.568	- / -	- / 3.568	- / 5.276	- / 4.498	- / 6.938	- / 6.937	- / 103.500	- / 138.411
2.2.6) MH-60R/S Obsolescence NRE Phase 2 - Organic	- / -	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500
Subtotal: Non-Recurring	- / 0.000	- / 7.598	- / 4.989	- / 5.731	- / -	- / 5.731	- / 5.276	- / 4.498	- / 6.938	- / 6.937	- / 103.500	- / 145.467
Subtotal: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT	22 / 5.577	109 / 13.990	38 / 8.277	6 / 9.131	- / -	6 / 9.131	8 / 8.175	42 / 9.218	8 / 10.138	17 / 10.637	182 / 171.800	432 / 246.943

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 6 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT				
Models of Systems Affected: SH-60B, SH-60F, HH-60H, MH-60S, MH-60R				Modification Type: SUSTAINMENT				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Subtotal: Procurement, All Modification Items												
Support (All Modification Items)												
3.1) Engineering Change Orders												
3.2) Data												
3.3) Training Equipment												
3.4) Support Equipment												
3.5) ILS												
3.6) Other Support												
3.7) Interim Contractor Support												
Subtotal: Support												
Installation												
Modification Item 1 of 1: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT												
Subtotal: Installation												
Total												
Total Cost (Procurement + Support + Installation)												

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 6 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT																							
Modification Item 1 of 1: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT																															
Manufacturer Information																															
Manufacturer Name: - SH-60B/HH-60H Wiring							Manufacturer Location: New MFG - Loc																								
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 5																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates	Mar 2014																														
Delivery Dates	Aug 2014																														
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: SH-60B/HH-60H Wiring Mod																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	13 / 0.075	9 / 0.417	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 0.492																			
FY 2014	- / -	- / -	30 / 1.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 1.244																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	13 / 0.075	9 / 0.417	30 / 1.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 1.736																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	13	-	3	3	3	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Out	13	-	3	3	3	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Method of Implementation (Organic): Not Installed - Obsolescence Components Kits																				Installation Quantity: 35											
Method of Implementation (Organic): Organic - ACRT																				Installation Quantity: 35											

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0530 / SH-60 Series	Modification Number / Title: 6 / 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT
Modification Item 1 of 1: 018-12 H-60 OBSOLESCENCE AND SUSTAINMENT		
Installation Information		
Method of Implementation (Organic): Organic - CAP HH-60H		Installation Quantity: 37
Method of Implementation (Organic): Organic - Avionics B Kits		Installation Quantity: 157
Method of Implementation (Organic): Not Installed - Mission System B Kits		Installation Quantity: 61
Method of Implementation (Organic): Not Installed - Weapons B Kits		Installation Quantity: 55

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series						Modification Number / Title: 7 / Inactive OSIPs		
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)	329.319	-	-	-	-	-	-	-	-	-	-	329.319
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	329.319	-	-	-	-	-	-	-	-	-	-	329.319
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	329.319	-	-	-	-	-	-	-	-	-	-	329.319
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0530 / SH-60 Series				Modification Number / Title: 7 / Inactive OSIPs					
Models of Systems Affected:			Modification Type:					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Inactive OSIPs													
A Kits													
Recurring													
1.1.1) Inactive OSIPs - Organic	- / 329.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 329.319	
Subtotal: Recurring	- / 329.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 329.319	
Subtotal: Inactive OSIPs	- / 329.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 329.319	
Subtotal: Procurement, All Modification Items	- / 329.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 329.319	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	329.319	-	-	-	-	-	-	-	-	-	-	329.319	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0530 / SH-60 Series			Modification Number / Title: 7 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0532 / H-1 Series					
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>)	304.689	41.509	42.273	42.315	-	42.315	38.755	34.332	29.787	100.365	505.399	1,139.424
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	304.689	41.509	42.273	42.315	-	42.315	38.755	34.332	29.787	100.365	505.399	1,139.424
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	304.689	41.509	42.273	42.315	-	42.315	38.755	34.332	29.787	100.365	505.399	1,139.424
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to the UH-1Y and AH-1W/Z. The mission of the UH-1Y utility helicopter is to provide command and control and combat assault support under day/night and adverse weather conditions and special operations support: supporting arms coordination and aeromedical evacuation. The HH-configured aircraft provide local civilian and military search and rescue support, as well as augmenting Department of Homeland Security resources. The AH-1W/Z is a tandem-seat, two-place attack helicopter. The mission of the AH-1W/Z attack helicopter is to provide rotary wing close air support, anti-armor, armed escort, armed/visual reconnaissance, anti-helicopter and point air defense and fire support coordination during day/night conditions. The armament of the AH-1W/Z includes the Sidewinder and Hellfire missile systems, a chin-mounted 20mm turret gun, and a wide variety of forward-firing and gravity-released external stores. The overall goal of the modifications budgeted in FY 2016 is to eliminate safety hazards, improve survivability, fulfill operational requirements, remedy obsolescence, and maintain/improve mission capability in support of the Marine Air Ground Task Force and joint operations. Joint digital interoperability will be attained through an improved aircraft network architecture; data linking, transfer and storage capability; and an aircraft network switch to control voice and data communication circuits capable of transmitting, receiving, processing and displaying digital information and video, to include Full Motion Video (FMV) and metadata. Additionally, the H-1 will continue to upgrade the applicable aircraft sensor and avionics systems and subsystems as well as weapons rocket delivery system which includes the Advance Precision Kill Weapon System. Air vehicle improvements needing critical reliability enhancements will be incorporated. These platforms will continue to fulfill the operational requirements to detect, identify, and destroy tactical-sized armored targets with precision guided munitions during the day, at night, and during adverse weather, as well as providing enhanced conventional weapons delivery by utilizing the system's laser ranging and designating system.												

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0532 / H-1 Series

ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12) (Operational Improvement)	P-3a		- / 1.395	- / 6.077	- / 22.212	- / 19.864	- / -	- / 19.864
2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12) (Operational Improvement)	P-3a		- / 18.265	- / 25.673	- / 12.422	- / 16.330	- / -	- / 16.330
3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14) (Safety/Reliability Improvements)	P-3a		- / 0.000	- / 9.759	- / 7.639	- / 6.121	- / -	- / 6.121
4 / INACTIVE OSIPS ()	P-3a		- / 285.029	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 304.689	- / 41.509	- / 42.273	- / 42.315	- / -	- / 42.315
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12) (Operational Improvement)	P-3a		- / 19.482	- / 16.552	- / 9.550	- / 14.849	- / 275.183	- / 385.164
2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12) (Operational Improvement)	P-3a		- / 15.492	- / 13.810	- / 12.352	- / 12.967	- / 67.583	- / 194.894
3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14) (Safety/Reliability Improvements)	P-3a		- / 3.781	- / 3.970	- / 7.885	- / 72.549	- / 162.633	- / 274.337
4 / INACTIVE OSIPS ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 285.029
Total Gross/Weapon System Cost			- / 38.755	- / 34.332	- / 29.787	- / 100.365	- / 505.399	- / 1,139.424

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

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

Justification:

The increase in To Complete is due to Sensors and Weapons, Air Vehicle and Avionics modifications as the H-1 upgrades program transitions from production to fielded systems.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)

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>)	1.395	6.077	22.212	19.864	-	19.864	19.482	16.552	9.550	14.849	275.183	385.164
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	1.395	6.077	22.212	19.864	-	19.864	19.482	16.552	9.550	14.849	275.183	385.164
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	1.395	6.077	22.212	19.864	-	19.864	19.482	16.552	9.550	14.849	275.183	385.164
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) incorporates cost effective changes to H-1 avionics systems, specifically attacking the highest degraders in the H-1 Cost Wise Readiness Integrated Improvement Process and on the Critical Logistics Review lists to reduce the total cost of ownership while improving ready-based aircraft and ready- for-tasking rates. Improvements to safety of flight, maintenance, obsolescence (Diminishing Manufacturing Sources/Material Shortages), and readiness degrader items will yield a more capable and survivable H-1 force to sustain warfighter capability in support of worldwide operations. Improvements will support the tenants of Sea Power 21; specifically operational availability, enhanced capabilities, and interoperability. Systems modified and improved on H-1 aircraft will leverage common architectures and utilize existing technology to the maximum extent practicable to minimize development and procurement costs and to reduce the time to field the improved systems. Mission Systems requiring modifications and improvements in the OSIP are: Mission Computer, Digital Map, Flight Control Computer, Wiring Integration Remote Terminals, flight data recorders, maintenance data recorders, video recorders, Digital Video Recorders (DVR), data loaders, air data systems, Multi-Function Displays, Dual Function Displays, interoperable video and digital data links (Tactical Video Data Link and Full Motion Video) for Variable Message Format with an Aircraft Network Switch, Data Transfer System and Data Storage Unit. Communication and navigation system updates are required for Ultra High Frequency/Very High Frequency radio communication systems, Satellite and Over the Horizon Communication systems, Mobile User Objective System (MUOS), Wireless Inter-Communications Systems (WICS), Identification Friend or Foe system, Inertial Navigation System, Global Positioning System (GPS), Aircraft Dependent Surveillance Broadcast (ADS-B), Selective Availability Anti-Spoofing Module (SAASM), GPS non-precision approach capability and Navigation Warfare (NAVWAR) GPS signal protection efforts, radar altimeter, Blue Force Tracker, and Joint Battlefield Command - Platform (JBC-P). Safety system modifications are required for collision avoidance systems, Degraded Visual Environment, Ground Proximity Warning System, Terrain Awareness Warning System, Crash Survivable Flight Incident Recorder, Improved Vehicle Health and Monitoring System and along with Military Flight Operations Quality Assurance and Aircraft Survivability Equipment. System configuration set updates are required for avionics component upgrades and interface modifications for platform weapons and sensors. Other improvements will include Weapon Repairable Assembly modifications to improve avionics and weapons system reliability, maintainability, accuracy and interoperability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Two FMV installation kits (A-kits) were procured in 1Q FY2014. Two FMV A-kit installations were completed by 3Q FY2014

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series					Modification Number / Title: 1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)				
Models of Systems Affected: UH-1Y, AH-1W/Z				Modification Type: Operational Improvement					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)													
A Kits													
Recurring													
1.1.1) VMF Interoperability (UH-1Y/AH-1Z) - NonOrganic ⁽¹⁾	- / -	- / -	3 / 0.300	- / -	- / -	- / -	1 / 0.100	3 / 0.300	- / -	- / -	157 / 15.700	164 / 16.400	
1.1.2) Full Motion Video (FMV) (UH-1Y/AH-1Z) - NonOrganic ⁽²⁾	- / -	3 / 0.660	10 / 2.200	12 / 2.640	- / -	12 / 2.640	14 / 3.080	12 / 2.640	7 / 1.540	12 / 2.640	94 / 20.680	164 / 36.080	
1.1.3) System Configuration Set Updates (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	164 / 1.640	164 / 1.640	
1.1.4) Blue Force Tracker (UH-1Y/AH-1W/Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.216	- / -	- / -	346 / 24.912	349 / 25.128	
1.1.5) Wireless Internal Communication System (WICS) (UH-1Y) - Organic ⁽³⁾	- / -	- / -	- / -	1 / 0.135	- / -	1 / 0.135	1 / 0.135	2 / 0.270	- / -	- / -	154 / 20.790	158 / 21.330	
1.1.6) Mission Computer Trays (UH-1Y/AH-1Z) - Organic	8 / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.055	
1.1.7) Digital Video Recorder (DVR) (UH-1Y/AH-1Z) - Organic	- / -	184 / 1.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	184 / 1.840	
1.1.8) Aircraft Network Switch (ANS) (UH-1Y/AH-1Z) - Organic ⁽⁴⁾	- / -	- / -	- / -	4 / 0.040	- / -	4 / 0.040	4 / 0.044	4 / 0.044	4 / 0.044	4 / 0.044	144 / 1.584	164 / 1.800	
1.1.9) Advanced Data Transfer System (ADTS) (UH-1Y/AH-1Z) - Organic ⁽⁵⁾	- / -	- / -	- / -	4 / 0.100	- / -	4 / 0.100	4 / 0.108	4 / 0.108	4 / 0.108	4 / 0.108	144 / 3.888	164 / 4.420	
Subtotal: Recurring	- / 0.055	- / 2.500	- / 2.500	- / 2.915	- / -	- / 2.915	- / 3.467	- / 3.578	- / 1.692	- / 2.792	- / 89.194	- / 108.693	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / -	- / -	- / 4.528	- / 2.900	- / -	- / 2.900	- / 1.068	- / 1.750	- / 1.800	- / 0.223	- / 0.750	- / 13.019	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 4.528	- / 2.900	- / -	- / 2.900	- / 1.068	- / 1.750	- / 1.800	- / 0.223	- / 0.750	- / 13.019	
B Kits													
Recurring													
2.1.1) VMF Interoperability (UH-1Y/AH-1Z) - Organic	- / -	- / -	3 / 0.300	- / -	- / -	- / -	1 / 0.100	3 / 0.300	- / -	- / -	157 / 15.700	164 / 16.400	
2.1.2) Full Motion Video (FMV) (UH-1Y/AH-1Z) - Organic	- / -	3 / 0.690	17 / 3.145	12 / 2.220	- / -	12 / 2.220	14 / 2.668	8 / 1.570	5 / 1.011	24 / 4.997	81 / 16.865	164 / 33.166	
2.1.3) Blue Force Tracker (UH-1Y/AH-1W/Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.111	- / -	- / -	346 / 12.802	349 / 12.913	
2.1.4) System Configuration Set Updates (UH-1Y/AH-1Z) - Organic ⁽⁶⁾	- / -	- / -	36 / 1.800	27 / 1.350	- / -	27 / 1.350	27 / 1.350	27 / 1.350	6 / 0.300	- / -	30 / 1.500	153 / 7.650	
2.1.5) Retrofit GEN II Mission Computers (UH-1Y/AH-1Z) - Organic	8 / 1.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.340	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series				Modification Number / Title: 1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)					
Models of Systems Affected: UH-1Y, AH-1W/Z				Modification Type: Operational Improvement				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
2.1.6) Wireless Internal Communication System (WICS) (UH-1Y) - Organic	- / -	- / -	- / -	1 / 0.339	- / -	1 / 0.339	1 / 0.339	2 / 0.678	- / -	- / -	154 / 52.206	158 / 53.562	
2.1.7) Aircraft Network Switch (ANS) (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	4 / 0.200	4 / 0.200	4 / 0.200	4 / 0.200	144 / 7.200	164 / 8.200	
2.1.8) Advanced Data Transfer System (ADTS) (UH-1Y/ AH-1Z) - Organic	- / -	- / -	- / -	4 / 0.320	- / -	4 / 0.320	4 / 0.320	4 / 0.320	4 / 0.320	4 / 0.320	144 / 11.520	164 / 13.120	
Subtotal: Recurring	- / 1.340	- / 0.690	- / 5.245	- / 4.429	- / -	- / 4.429	- / 4.977	- / 4.529	- / 1.831	- / 5.517	- / 117.793	- / 146.351	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / 3.150	- / 2.797	- / -	- / 2.797	- / 1.417	- / 0.876	- / 0.832	- / 0.416	- / 13.891	- / 23.379	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 3.150	- / 2.797	- / -	- / 2.797	- / 1.417	- / 0.876	- / 0.832	- / 0.416	- / 13.891	- / 23.379	
Subtotal: H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)	16 / 1.395	190 / 3.190	69 / 15.423	69 / 13.041	- / -	69 / 13.041	75 / 10.929	79 / 10.733	34 / 6.155	52 / 8.948	2,259 / 221.628	2,843 / 291.442	
Subtotal: Procurement, All Modification Items	- / 1.395	- / 3.190	- / 15.423	- / 13.041	- / -	- / 13.041	- / 10.929	- / 10.733	- / 6.155	- / 8.948	- / 221.628	- / 291.442	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / 0.256	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.256	
3.2) Data ⁽⁷⁾	- / -	- / 0.165	- / 0.230	- / 0.562	- / -	- / 0.562	- / 1.200	- / 0.100	- / 0.100	- / 0.300	- / 0.148	- / 2.805	
3.3) Training Equipment	- / -	- / -	- / 0.561	- / 0.060	- / -	- / 0.060	- / 0.050	- / -	- / -	- / -	- / 2.000	- / 2.671	
3.4) Support Equipment	- / -	- / -	- / 0.500	- / 0.400	- / -	- / 0.400	- / 0.400	- / 0.254	- / 0.050	- / 0.050	- / -	- / 1.654	
3.5) ILS	- / -	- / -	- / 0.357	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.050	- / 0.050	- / 0.158	- / 1.344	- / 2.159	
3.6) Other Support ⁽⁸⁾	- / -	- / 1.416	- / 1.496	- / 0.301	- / -	- / 0.301	- / 0.292	- / 0.090	- / 0.115	- / 0.113	- / 5.448	- / 9.271	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / 1.837	- / 3.144	- / 1.423	- / -	- / 1.423	- / 2.042	- / 0.494	- / 0.315	- / 0.621	- / 8.940	- / 18.816	
Installation													
Modification Item 1 of 1: H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)	- / 0.000	- / 1.050	- / 3.645	- / 5.400	- / -	- / 5.400	- / 6.511	- / 5.325	- / 3.080	- / 5.280	- / 44.615	- / 74.906	
Subtotal: Installation	- / 0.000	- / 1.050	- / 3.645	- / 5.400	- / -	- / 5.400	- / 6.511	- / 5.325	- / 3.080	- / 5.280	- / 44.615	- / 74.906	
Total													
Total Cost (Procurement + Support + Installation)	1.395	6.077	22.212	19.864	-	19.864	19.482	16.552	9.550	14.849	275.183	385.164	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0532 / H-1 Series										Modification Number / Title: 1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)											
Modification Item 1 of 1: H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)																															
Manufacturer Information																															
Manufacturer Name: TBD -VMF Interoperability															Manufacturer Location: TBD																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 3																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates						Oct 2014								Oct 2016				Oct 2017													
Delivery Dates						Jan 2015								Jan 2017				Jan 2018													
Manufacturer Name: TBD- Full Motion Video ⁽⁹⁾															Manufacturer Location: TBD																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 12																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates		Oct 2013				Oct 2014				Oct 2015				Oct 2016				Oct 2017				Oct 2018				Oct 2019					
Delivery Dates		Oct 2014				Oct 2015				Oct 2016				Oct 2017				Oct 2018				Oct 2019				Oct 2020					
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: VMF Interoperability (UH-1Y/AH-1Z)																															
Installation Cost		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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	3 / 0.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.045																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.015	- / -	- / -	- / -	- / -	1 / 0.015																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.045	- / -	- / -	- / -	3 / 0.045																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	157 / 2.355	157 / 2.355																		
Total		- / -	- / -	3 / 0.045	- / -	- / -	- / -	1 / 0.015	3 / 0.045	- / -	- / -	157 / 2.355	164 / 2.460																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	1	1	1	-	-	-	-	-	1	-	-	-	1	1	1	-	-	-	-	-	-	-	-	157	164
Out	-	-	-	-	-	-	1	1	1	-	-	-	-	-	1	-	-	-	1	1	1	-	-	-	-	-	-	-	-	157	164

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)

Modification Item 1 of 1: H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Full Motion Video (FMV) (UH-1Y/AH-1Z)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	3 / 1.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.050
FY 2015	- / -	- / -	8 / 3.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.600
FY 2016	- / -	- / -	- / -	12 / 5.400	- / -	12 / 5.400	- / -	- / -	- / -	- / -	- / -	12 / 5.400
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	14 / 6.496	- / -	- / -	- / -	- / -	14 / 6.496
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 5.280	- / -	- / -	- / -	12 / 5.280
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 3.080	- / -	- / -	7 / 3.080
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 5.280	- / -	12 / 5.280
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	96 / 42.260	96 / 42.260
Total	- / -	3 / 1.050	8 / 3.600	12 / 5.400	- / -	12 / 5.400	14 / 6.496	12 / 5.280	7 / 3.080	12 / 5.280	96 / 42.260	164 / 72.446

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	1	1	-	1	2	2	2	2	3	3	3	3	2	4	4	4	3	3	3	3	2	2	2	1	3	3	3	3	96	164
Out	-	-	1	1	-	1	2	2	2	5	3	3	3	-	2	4	4	4	3	3	3	3	2	2	2	1	3	3	3	99	164

Method of Implementation (Organic): Not Installed - System Configuration Set Updates (UH-1Y/AH-1Z)	Installation Quantity: 164
Method of Implementation (Organic): Not Installed - Blue Force Tracker (UH-1Y/AH-1W/Z)	Installation Quantity: 349
Method of Implementation (Organic): Not Installed - Wireless Internal Communication System (WICS) (UH-1Y)	Installation Quantity: 158
Method of Implementation (Organic): Not Installed - Mission Computer Trays (UH-1Y/AH-1Z)	Installation Quantity: 8
Method of Implementation (Organic): Not Installed - Digital Video Recorder (DVR) (UH-1Y/AH-1Z)	Installation Quantity: 184
Method of Implementation (Organic): Not Installed - Aircraft Network Switch (ANS) (UH-1Y/AH-1Z)	Installation Quantity: 164

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 1 / H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)
Modification Item 1 of 1: H-1 AVIONICS IMPROVEMENTS (OSIP 015-12)		
Installation Information		
Method of Implementation (Organic): Not Installed - Advanced Data Transfer System (ADTS) (UH-1Y/AH-1Z)		Installation Quantity: 164
Method of Implementation (Organic): Not Installed - VMF Interoperability (UH-1Y/AH-1Z)		Installation Quantity: 164
Method of Implementation (Organic): Organic - Full Motion Video (FMV) (UH-1Y/AH-1Z)		Installation Quantity: 164
Method of Implementation (Organic): Not Installed - Blue Force Tracker (UH-1Y/AH-1W/Z)		Installation Quantity: 349
Method of Implementation (Organic): Not Installed - System Configuration Set Updates (UH-1Y/AH-1Z)		Installation Quantity: 153
Method of Implementation (Organic): Not Installed - Retrofit GEN II Mission Computers (UH-1Y/AH-1Z)		Installation Quantity: 8
Method of Implementation (Organic): Not Installed - Wireless Internal Communication System (WICS) (UH-1Y)		Installation Quantity: 158
Method of Implementation (Organic): Not Installed - Aircraft Network Switch (ANS) (UH-1Y/AH-1Z)		Installation Quantity: 164
Method of Implementation (Organic): Not Installed - Advanced Data Transfer System (ADTS) (UH-1Y/AH-1Z)		Installation Quantity: 164
Footnotes: (1) VMF Interoperability adds digitally-aided close air support and Variable Message Format capabilities to the UH-1Y and AH-1Z. (2) Full Motion Video (FMV) supports UUNS CDTs# 11061UA validated by MROC DM 49-2012. (3) WICS Wireless Internal Communications System (AWICS) permits aircrew members unimpeded movement throughout and around the aircraft while maintaining communications contact on the UH-1Y and AH-1Z. (4) Aircraft Network Switch (ANS) adds scalable high-speed and high bandwidth capability to transfer plain text data via IEEE Ethernet standards on the UH-1Y and AH-1Z. (5) Advanced Data Transfer System (ADTS) is a mass storage capability scoped to enable digital mapping functionality on the UH-1Y and AH-1Z. (6) System Configuration Set Update is an Organization-Level installation. (7) FY 2016 and FY 2017 data increases for Full Motion Video (FMV), Aircraft Network Switch (ANS) and Advanced Data Transfer System (ADTS) integration needed to support FMV and digital interoperability. (8) Other Support includes validation/verification and engineering support for all modifications. (9) FY 2014 and FY 2015 reflect Validation/Verification and Low Rate Initial Production (LRIP); FY 2016 - FY 2020 reflect Full Rate Production (FRP)		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series					Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)			
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>)	18.265	25.673	12.422	16.330	-	16.330	15.492	13.810	12.352	12.967	67.583	194.894
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	18.265	25.673	12.422	16.330	-	16.330	15.492	13.810	12.352	12.967	67.583	194.894
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	18.265	25.673	12.422	16.330	-	16.330	15.492	13.810	12.352	12.967	67.583	194.894
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) incorporates a number of cost effective changes to H-1 sensors and weapons requirements, specifically attacking the highest degraders in the H-1 Cost Wise Readiness Integrated Improvement Process and on the Critical Logistics Review lists in order to improve ready based aircraft and ready for tasking rates and reduce the total cost of ownership. These improvements are a vital element of the H-1 Upgrades program to significantly enhance the strategy of a more ready, more capable, and more survivable H-1 force to accomplish the successful fielding of this new capability to the warfighter. The increased readiness and capabilities that will be realized support the tenants of the Marine Corps' Expeditionary Force 21, specifically operational availability, enhanced capabilities, and interoperability of sensors to provide a target location of useable accuracy. Systems improved on the H-1 Warfighter aircraft will forward fit to the H-1 Upgrades aircraft and utilize existing technology to the maximum extent practicable to minimize development and procurement costs and to reduce the time to field the improved systems.

This OSIP addresses the U.S. Marine Corps' operational requirement to detect, identify, and destroy tactical-sized armored targets with the precision guided munitions during day, night, and adverse weather conditions. The Target Sight System (TSS), Navigational Thermal Imaging System (NTIS), BRITE Star Block II, and Night Targeting System Upgrade (NTSU) sensors provide a night/adverse weather Forward-Looking Infrared and laser designator for the H-1 series helicopter. This OSIP also addresses improvements to H-1 series helicopters' weapons systems in support of mission success to include missile, rockets, gun reliability and accuracy. These weapon systems include all Precision Guided Munitions, (Advanced Precision Kill Weapon System (APKWS), the Hellfire family of missiles, (JAGM)), the M197 20MM Turreted Gun System, associated aviation armament equipment, 20MM Linkless Feed System, and the crew served weapons Helicopter Armament Systems (HAS). Other sensor improvements will include weapon repair assembly modifications to improve weapons reliability, maintainability, systems stabilization, obsolescence as well as upgrades to Laser Spot Tracker (LST) and Infra-Red (IR) laser pointing devices. Safety programs that will be implemented by this OSIP include, but not limited to, spatial disorientation issues that will be addressed through aircraft upgrades to helmet mounted displays such as integration of the Helmet Display and Tracker System (HDTS), Optimized Top Owl (OTO) helmet system, the Digital System Upgrade/Situational Awareness Enhancement (SAE), Degraded Visual Environment initiatives, Moving Maps, Transponder upgrades, Tactical Video Data Link (TVDL) system improvements, electronic warfare initiatives (Intrepid Tiger), and Digital Interoperability initiatives that will meet the platform 'net ready' requirements. These enhancements will allow the H-1 to be interoperable with battle management systems, and provide aircrews with near real time friendly forces and threat locations. Additional TSS/NTSU improvements will include Weapons Repairable Assembly modifications to improve reliability, maintainability, and producibility of the sensors as well as incorporation of a LST, which adds the capability to detect, acquire and track laser designator signatures.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: One BRITE Star Block II system has been modified by the original equipment manufacturer to add a LST subassembly. The LST adds the capability to detect, acquire and track laser designator signatures.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series					Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)				
Models of Systems Affected: UH-1Y, AH-1W/Z			Modification Type: Operational Improvement					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)													
A Kits													
Recurring													
1.1.1) AFC-396 (UH-1Y) - NonOrganic ⁽¹⁰⁾	44 / 0.731	20 / 0.284	15 / 0.367	13 / 0.327	- / -	13 / 0.327	13 / 0.389	10 / 0.265	- / -	- / -	- / -	115 / 2.363	
1.1.2) Helmet Display and Tracker System (HDTS) (AH-1W) - NonOrganic	65 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / -	
Subtotal: Recurring	- / 0.731	- / 0.284	- / 0.367	- / 0.327	- / -	- / 0.327	- / 0.389	- / 0.265	- / -	- / -	- / -	- / 2.363	
B Kits													
Recurring													
2.1.1) BRITE Star BLK II (UH-1Y) - Organic	16 / 10.799	11 / 7.424	- / -	6 / 4.049	- / -	6 / 4.049	12 / 8.098	- / -	- / -	- / -	2 / 1.350	47 / 31.720	
2.1.2) BRITE Star BLK II Laser Spot Tracker (UH-1Y) - Organic	- / -	- / -	24 / 1.200	72 / 3.600	- / -	72 / 3.600	36 / 1.800	- / -	- / -	28 / 1.400	- / -	160 / 8.000	
2.1.3) Target Sight System (TSS) Laser Spot Tracker (AH-1Z) - Organic ⁽¹¹⁾	- / -	- / -	- / -	2 / 0.842	- / -	2 / 0.842	8 / 3.469	24 / 10.719	24 / 11.041	20 / 9.400	111 / 53.280	189 / 88.751	
2.1.4) Target Sight System (TSS) Upgrade Kit-CREIU (AH-1Z) - Organic	- / -	42 / 3.016	25 / 7.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	67 / 10.516	
2.1.5) Target Sight System (TSS) Upgrade Kit-IR Pointer (AH-1Z) - Organic ⁽¹²⁾	- / -	- / -	- / -	42 / 3.900	- / -	42 / 3.900	- / -	- / -	- / -	- / -	- / -	42 / 3.900	
2.1.7) Night Target System Upgrade (NTSU) Kit (AH-1W) - Organic ⁽¹³⁾	- / -	- / -	13 / 1.560	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 1.560	
Subtotal: Recurring	- / 10.799	- / 10.440	- / 10.260	- / 12.391	- / -	- / 12.391	- / 13.367	- / 10.719	- / 11.041	- / 10.800	- / 54.630	- / 144.447	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / 0.545	- / -	- / 1.008	- / -	- / 1.008	- / 0.105	- / 1.070	- / -	- / 0.600	- / 3.636	- / 6.964	
Subtotal: Non-Recurring	- / 0.000	- / 0.545	- / -	- / 1.008	- / -	- / 1.008	- / 0.105	- / 1.070	- / -	- / 0.600	- / 3.636	- / 6.964	
Subtotal: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)	125 / 11.530	73 / 11.269	77 / 10.627	135 / 13.726	- / -	135 / 13.726	69 / 13.861	34 / 12.054	24 / 11.041	48 / 11.400	113 / 58.266	698 / 153.774	
Subtotal: Procurement, All Modification Items	- / 11.530	- / 11.269	- / 10.627	- / 13.726	- / -	- / 13.726	- / 13.861	- / 12.054	- / 11.041	- / 11.400	- / 58.266	- / 153.774	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.262	- / 1.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.352	
3.2) Data ⁽¹⁴⁾	- / 0.650	- / 0.179	- / 0.717	- / 1.188	- / -	- / 1.188	- / 0.168	- / 0.277	- / 0.250	- / 0.303	- / 4.828	- / 8.560	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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LI 0532 - H-1 Series
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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0532 / H-1 Series										Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)											
Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)																															
Manufacturer Information																															
Manufacturer Name: Wyle Laboratories, Inc.- AFC-396															Manufacturer Location: Alabama																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 2																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates		Oct 2013				Oct 2014				Oct 2015				Oct 2016				Oct 2017													
Delivery Dates		Dec 2013				Dec 2014				Dec 2015				Dec 2016				Dec 2017													
Manufacturer Name: Elbit Systems Limited - HDTs															Manufacturer Location: Israel																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 2																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: AFC-396 (UH-1Y)																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		25 / 0.312	19 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 0.612																		
FY 2014		- / -	20 / 0.378	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.378																		
FY 2015		- / -	- / -	15 / 0.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.244																		
FY 2016		- / -	- / -	- / -	13 / 0.247	- / -	13 / 0.247	- / -	- / -	- / -	- / -	- / -	13 / 0.247																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.258	- / -	- / -	- / -	- / -	13 / 0.258																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.249	- / -	- / -	- / -	10 / 0.249																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		25 / 0.312	39 / 0.678	15 / 0.244	13 / 0.247	- / -	13 / 0.247	13 / 0.258	10 / 0.249	- / -	- / -	- / -	115 / 1.988																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	25	9	10	10	10	3	4	4	4	3	3	3	4	3	3	3	4	2	2	3	3	-	-	-	-	-	-	-	-	-	115
Out	25	9	10	10	10	3	4	4	4	3	3	3	4	3	3	3	4	2	2	3	3	-	-	-	-	-	-	-	-	-	115

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)

Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Helmet Display and Tracker System (HDTs) (AH-1W)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	65 / 10.132	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / 10.132
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	65 / 10.132	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	65 / 10.132

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	16	16	16	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65
Out	-	-	16	16	16	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65

Method of Implementation (Organic): Not Installed - BRITE Star BLK II (UH-1Y)	Installation Quantity: 47
Method of Implementation (Organic): Not Installed - BRITE Star BLK II Laser Spot Tracker (UH-1Y)	Installation Quantity: 160
Method of Implementation (Organic): Not Installed - Target Sight System (TSS) Laser Spot Tracker (AH-1Z)	Installation Quantity: 189
Method of Implementation (Organic): Not Installed - Target Sight System (TSS) Upgrade Kit-CREIU (AH-1Z)	Installation Quantity: 67
Method of Implementation (Organic): Not Installed - Target Sight System (TSS) Upgrade Kit-IR Pointer (AH-1Z)	Installation Quantity: 42
Method of Implementation (Organic): Not Installed - Night Target System Upgrade (NTSU) Kit (AH-1W)	Installation Quantity: 13

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 016-12)

Footnotes:

- (10) AFC-396 configures the UH-1Y to fly with any of the three existing sensors: STAR Safire, BRITE Star Block I or BRITE Star Block II.
- (11) The USMC H-1 operating forces have an Urgent Needs Statement (UNS) for an electro-optical (EO) system capable of automatically detecting laser designator energy for purposes of target handoff operations. The Laser Spot Tracker (LST) subassembly enables the AH-1Z to detect, acquire and track laser designator energy for more expeditious target handoff and engagement.
- (12) TSS IR Pointer (IRP) enables the AH-1Z to conduct target correlation at night with individuals utilizing in-band sensors. The IRP retrofit upgrades initially fielded TSS to match the current production TSS configuration.
- (13) NTSU Installation Equipment previously procured in BLI 0527 OSIP 13-12 continues under this OSIP in FY 2015.
- (14) FY 2015 increase for BRITE Star Laser Spot Tracker (LST) and TSS Upgrade Kit publications. FY 2016 increase for BRITE Star and TSS LST publications.
- (15) Other Support includes validation/verification and engineering support for all modifications.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series				Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)				
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>	0.000	9.759	7.639	6.121	-	6.121	3.781	3.970	7.885	72.549	162.633	274.337
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	9.759	7.639	6.121	-	6.121	3.781	3.970	7.885	72.549	162.633	274.337
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	9.759	7.639	6.121	-	6.121	3.781	3.970	7.885	72.549	162.633	274.337
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This Operational, Safety and Improvement Program (OSIP) incorporates a number of cost effective changes to H-1 air vehicle requirements, specifically attacking the highest degraders in the H-1 Cost Wise Readiness Integrated Improvement Process and on the Critical Logistics Review lists in order to improve ready based aircraft and ready for tasking rates and reduce the total cost ownership. These improvements are a vital element of the H-1 program to significantly enhance the strategy of a more ready, more capable and more survivable H-1 force to accomplish the successful fielding of this new capability to the warfighter in support of the Overseas Contingency Operations. The increased readiness and capabilities that will be realized support the tenents of Sea Power 21, specifically operational availability, enhanced capabilities, and interoperability. Planned improvements under this OSIP cover airframes (structural and air vehicle systems), propulsion, survivability, reliability and maintainability, fuel systems, electrical power, drives, engines, rotors, flying qualities, flight controls, human factors, and weight and balance. This OSIP intends to utilize upgrades to existing technology to the maximum extent practicable to minimize development and procurement costs, and to reduce the time to field the improved systems. During Full Scale Development testing of the H-1 aircraft, it was determined that incorporation of redesigned components applicable to the critical load paths will significantly increase the service life of the aircraft and components to meet the life limit of 10,000 flight hours. Safety programs that will be implemented by this OSIP include, but are not limited to, safety related items, door and hatch latches/hardware, external lights, and mission grip mounts. Reliability and maintainability programs that will be implemented by this OSIP include, but are not limited to, engineering, reliability improvements covering non-recurring engineering and eventual modification of the Alternating Current/Direct Current generator, canopy door frame, gearboxes, fuselage/cabin/seats, external lights, engine mount bearings, main and tail rotor drive shaft, rotor brake, aircraft Nickel Cadmium battery, weight reduction/gross weight increase initiatives, integrated mechanical diagnostic system improvements, clearances issues, main/tail rotor improvements, materials improvements, drive system improvements, thermal improvements, corrosion/water intrusion control improvements, cold spray improvements, armor flooring survivability enhancements, rotor blade and gun turret covers, cargo hooks, and engine cowlings, airframe improvements including the improved defensive armament system (IDAS), and survivability enhancements. Specifically, the following are anticipated in addition to those mentioned elsewhere: Health Usage Monitoring System common tail boom wiring, swash plate assembly improvement, UH-1Y floor panel/belly access and water intrusion modification, composite elevator, Environmental Control System, tail boom stinger assembly improvement, and Upgrades main rotor blade improvement. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Tail boom clamp & retainer contract awarded 1Q FY 2014. UH-1Y Main Rotor Gear Box (MRGB) pylon strap rivet kits contract awarded 1Q FY 2014. External Lighting Retrofit Kit procurement 2Q FY15. NOTE: The following items are Organization-level installs: canopy door frames, heat exchange airframe mounting mod, rotor brake improvement, slip ring/standpipe, and tail rotor blades.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series				Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)				
Models of Systems Affected: UH-1Y, AH-1W/Z			Modification Type: Safety/Reliability Improvements					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)												
A Kits												
Recurring												
1.1.1) Tail Boom Clamp and Retainer Mod (UH-1Y/AH-1Z) - NonOrganic	- / -	30 / 0.415	15 / 0.218	15 / 0.218	- / -	15 / 0.218	15 / 0.218	2 / 0.029	- / -	- / -	- / -	77 / 1.098
1.1.2) External Lights Upgrades (UH-1Y/AH-1Z) - NonOrganic	9 / 0.000	- / -	80 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	89 / 0.400
1.1.3) Slip Ring/Standpipe (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	75 / 0.225	- / -	75 / 0.225	75 / 0.225	89 / 0.267	- / -	- / -	- / -	239 / 0.717
1.1.4) Canopy Door Frames (AH-1W/Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	189 / 0.945	189 / 0.945
1.1.5) MRGB Pylon Strap Rivets (UH-1Y) - NonOrganic	- / -	15 / 0.003	15 / 0.003	4 / 0.001	- / -	4 / 0.001	6 / 0.002	- / -	- / -	- / -	- / -	40 / 0.009
1.1.6) Gearbox Reliability Improvements (UH-1Y) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	349 / 2.600	349 / 2.600
1.1.7) Heat Exchange Airframe Mounting Mod (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	40 / 0.184	- / -	40 / 0.184	24 / 0.110	- / -	- / -	- / -	- / -	64 / 0.294
1.1.8) Tail Rotor Drive Shaft (TRDS) Clearance Improvements (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.193	27 / 0.193	295 / 2.109	349 / 2.495
1.1.10) Tailboom Stinger (UH-1Y/AH-1Z) - Organic	- / -	- / -	15 / 0.100	15 / 0.100	- / -	15 / 0.100	15 / 0.100	15 / 0.100	15 / 0.100	15 / 0.100	66 / 0.440	156 / 1.040
1.1.11) AC/DC Generator Improvement (UH-1Y/AH-1Z) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.120	8 / 0.160	335 / 6.700	349 / 6.980
1.1.12) Rotor Brake Improvement (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.600	6 / 0.090	250 / 3.750	296 / 4.440
1.1.15) ECP 0017R3 Swash Plate Seal (UH-1Y/AH-1Z) - Organic	- / -	- / -	15 / 0.015	50 / 0.050	- / -	50 / 0.050	15 / 0.015	15 / 0.015	15 / 0.015	15 / 0.015	61 / 0.610	186 / 0.735
1.1.16) Cargo Door Latch (UH-1Y) - NonOrganic	- / -	- / -	- / -	80 / 0.320	- / -	80 / 0.320	20 / 0.082	41 / 0.171	10 / 0.042	9 / 0.039	- / -	160 / 0.654
1.1.17) Tail Rotor Gearbox Mount (UH-1Y/AH-1Z) - NonOrganic	- / -	- / -	- / -	80 / 0.080	- / -	80 / 0.080	20 / 0.020	10 / 0.010	11 / 0.011	10 / 0.010	55 / 0.055	186 / 0.186
1.1.18) Swashplate Clamp Rings (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	50 / 0.200	- / -	50 / 0.200	12 / 0.048	12 / 0.048	43 / 0.172	43 / 0.172	105 / 0.420	265 / 1.060
1.1.19) Avionics Cooling (UH-1Y/AH-1Z) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020	5 / 0.051	20 / 0.204	6 / 0.061	- / -	33 / 0.336
1.1.20) Composite Elevator (UH-1Y/AH-1Z) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.002	15 / 0.015	248 / 0.248	265 / 0.265
Subtotal: Recurring	- / 0.000	- / 0.418	- / 0.736	- / 1.378	- / -	- / 1.378	- / 0.840	- / 0.691	- / 1.459	- / 0.855	- / 17.877	- / 24.254
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / -	- / -	- / 0.316	- / 0.322	- / -	- / 0.322	- / -	- / -	- / -	- / 0.340	- / -	- / 0.978
Subtotal: Non-Recurring	- / 0.000	- / -	- / 0.316	- / 0.322	- / -	- / 0.322	- / -	- / -	- / -	- / 0.340	- / -	- / 0.978

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series				Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)				
Models of Systems Affected: UH-1Y, AH-1W/Z				Modification Type: Safety/Reliability Improvements				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
B Kits												
Recurring												
2.1.1) External Lights (AH-1Z) - Organic	- / -	42 / 1.680	80 / 3.143	15 / 0.765	- / -	15 / 0.765	26 / 1.353	25 / 1.327	24 / 1.299	21 / 1.159	- / -	233 / 10.726
2.1.2) External Lights (UH-1Y) - Organic	- / -	104 / 5.200	- / -	3 / 0.122	- / -	3 / 0.122	- / -	- / -	- / -	- / -	- / -	107 / 5.322
2.1.3) Mission Grip Mount (AH-1Z) - Organic	- / -	15 / 0.218	73 / 0.475	11 / 0.072	- / -	11 / 0.072	12 / 0.078	15 / 0.098	31 / 0.202	28 / 0.183	4 / 0.026	189 / 1.352
2.1.4) AC/DC Generator Improvement (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.900	20 / 1.200	314 / 18.840	349 / 20.940
2.1.5) Composite Elevator (UH-1Y/AH-1Z) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.100	2 / 0.100	261 / 13.050	265 / 13.250
2.1.6) T700-401C (AH-1Z Reman) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 62.784	- / -	36 / 62.784
Subtotal: Recurring	- / 0.000	- / 7.098	- / 3.618	- / 0.959	- / -	- / 0.959	- / 1.431	- / 1.425	- / 2.501	- / 65.426	- / 31.916	- / 114.374
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽¹⁶⁾	- / -	- / 1.401	- / 0.753	- / 1.083	- / -	- / 1.083	- / -	- / 0.086	- / 0.025	- / 0.685	- / -	- / 4.033
Subtotal: Non-Recurring	- / 0.000	- / 1.401	- / 0.753	- / 1.083	- / -	- / 1.083	- / -	- / 0.086	- / 0.025	- / 0.685	- / -	- / 4.033
Subtotal: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)	9 / 0.000	206 / 8.917	293 / 5.423	438 / 3.742	- / -	438 / 3.742	242 / 2.271	229 / 2.202	261 / 3.985	261 / 67.306	2,532 / 49.793	4,471 / 143.639
Subtotal: Procurement, All Modification Items	- / 0.000	- / 8.917	- / 5.423	- / 3.742	- / -	- / 3.742	- / 2.271	- / 2.202	- / 3.985	- / 67.306	- / 49.793	- / 143.639
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / -	- / -	- / 0.035	- / 0.032	- / -	- / 0.032	- / 0.032	- / 0.032	- / 0.032	- / 0.032	- / -	- / 0.195
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / -	- / 0.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.075
3.5) ILS	- / -	- / -	- / 0.235	- / 0.235	- / -	- / 0.235	- / 0.238	- / 0.242	- / 0.246	- / 0.246	- / -	- / 1.442
3.6) Other Support ⁽¹⁷⁾	- / -	- / 0.249	- / 0.838	- / 0.720	- / -	- / 0.720	- / 0.611	- / 0.607	- / 0.491	- / 0.818	- / 0.555	- / 4.889
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / 0.324	- / 1.108	- / 0.987	- / -	- / 0.987	- / 0.881	- / 0.881	- / 0.769	- / 1.096	- / 0.555	- / 6.601
Installation												
Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)	- / 0.000	- / 0.518	- / 1.108	- / 1.392	- / -	- / 1.392	- / 0.629	- / 0.887	- / 3.131	- / 4.147	- / 112.285	- / 124.097
Subtotal: Installation	- / 0.000	- / 0.518	- / 1.108	- / 1.392	- / -	- / 1.392	- / 0.629	- / 0.887	- / 3.131	- / 4.147	- / 112.285	- / 124.097
Total												
Total Cost (Procurement + Support + Installation)	0.000	9.759	7.639	6.121	-	6.121	3.781	3.970	7.885	72.549	162.633	274.337

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0532 / H-1 Series		Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)			
Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)							
Manufacturer Information							
Manufacturer Name: Depot - Tail Boom Clamp & Retainer				Manufacturer Location: North Carolina			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017		
Delivery Dates	Dec 2013	Sep 2015	Sep 2016	Sep 2017	Sep 2018		
Manufacturer Name: Depot - MRGB Plyon Strap Rivets				Manufacturer Location: North Carolina			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2013	Oct 2014	Oct 2015	Oct 2016			
Delivery Dates	Apr 2014	Apr 2015	Apr 2016	Apr 2017			
Manufacturer Name: TBD - External Lights				Manufacturer Location: Huntsville, AL			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 2			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jan 2015					
Delivery Dates		Mar 2015					
Manufacturer Name: Depot - AC/DC Generator Improvement				Manufacturer Location: North Carolina			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates						Oct 2018	Oct 2019
Delivery Dates						Jan 2019	Jan 2020
Manufacturer Name: TBD -Avionics Cooling				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 7				Production Leadtime (in Months): 2			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Apr 2017	Apr 2018	Apr 2019	Apr 2020
Delivery Dates				Jun 2017	Jun 2018	Jun 2019	Jun 2020
Manufacturer Name: Depot - Composite Elevator				Manufacturer Location: North Carolina			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates						Nov 2018	Nov 2019

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series				Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)				
Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)												
Manufacturer Information												
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Delivery Dates						Dec 2018	Dec 2019					
Manufacturer Name: TBD - Tail Rotor Gearbox Mount					Manufacturer Location: TBD							
Administrative Leadtime (in Months): 1					Production Leadtime (in Months): 2							
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates			Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019					
Delivery Dates			Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019					
Manufacturer Name: Depot - Cargo Door Latch					Manufacturer Location: North Carolina							
Administrative Leadtime (in Months): 2					Production Leadtime (in Months): 3							
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates			Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019					
Delivery Dates			Feb 2016	Feb 2017	Feb 2018	Feb 2019	Feb 2020					
Manufacturer Name: TBD - T700-401C					Manufacturer Location: TBD							
Administrative Leadtime (in Months): 1					Production Leadtime (in Months): 3							
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates							Oct 2019					
Delivery Dates							Jan 2020					
Installation Information												
Method of Implementation: Depot Modification Team:: Installation Name: Tail Boom Clamp and Retainer Mod (UH-1Y/AH-1Z)												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	16 / 0.167	14 / 0.140	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.307
FY 2015	- / -	- / -	1 / 0.010	14 / 0.140	- / -	14 / 0.140	- / -	- / -	- / -	- / -	- / -	15 / 0.150
FY 2016	- / -	- / -	- / -	1 / 0.010	- / -	1 / 0.010	14 / 0.140	- / -	- / -	- / -	- / -	15 / 0.150
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.010	14 / 0.140	- / -	- / -	- / -	15 / 0.150
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020	- / -	- / -	- / -	2 / 0.020
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Installation Information

Method of Implementation: Depot Modification Team:: Installation Name: Tail Boom Clamp and Retainer Mod (UH-1Y/AH-1Z)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total	- / -	16 / 0.167	15 / 0.150	15 / 0.150	- / -	15 / 0.150	15 / 0.150	16 / 0.160	- / -	- / -	- / -	77 / 0.777

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	4	4	4	4	3	3	4	5	5	5	4	1	5	5	4	1	5	5	4	2	-	-	-	-	-	-	-	-	-	77
Out	-	4	4	4	4	3	3	4	5	5	5	4	1	5	5	4	1	5	5	4	2	-	-	-	-	-	-	-	-	-	77

Method of Implementation: Contractor Field Mod Team:: Installation Name: External Lights Upgrades (UH-1Y/AH-1Z)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	9 / 0.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.090
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	80 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 0.800
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	9 / 0.090	80 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	89 / 0.890

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	9	-	-	-	26	27	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	
Out	-	-	-	9	-	-	-	26	27	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Installation Information

Method of Implementation: Depot Modification Team:: Installation Name: MRGB Pylon Strap Rivets (UH-1Y)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	15 / 0.261	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.261
FY 2015	- / -	- / -	15 / 0.158	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.158
FY 2016	- / -	- / -	- / -	4 / 0.042	- / -	4 / 0.042	- / -	- / -	- / -	- / -	- / -	4 / 0.042
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.062	- / -	- / -	- / -	- / -	6 / 0.062
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	15 / 0.261	15 / 0.158	4 / 0.042	- / -	4 / 0.042	6 / 0.062	- / -	- / -	- / -	- / -	40 / 0.523

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	8	7	-	-	8	7	-	-	2	2	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	40
Out	-	-	-	-	8	7	-	-	8	7	-	-	2	2	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	40

Method of Implementation: Depot Mod Team:: Installation Name: AC/DC Generator Improvement (UH-1Y/AH-1Z)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.950	- / -	- / -	6 / 1.950
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.950	2 / 0.650	8 / 2.600
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	335 / 108.880	335 / 108.880
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.950	6 / 1.950	337 / 109.530	349 / 113.430

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Installation Information

Method of Implementation: Depot Mod Team:: Installation Name: AC/DC Generator Improvement (UH-1Y/AH-1Z)

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	2	2	2	337	349	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	2	2	2	337	349	

Method of Implementation: Field Mod Team:: Installation Name: Cargo Door Latch (UH-1Y)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	80 / 0.800	- / -	80 / 0.800	- / -	- / -	- / -	- / -	- / -	80 / 0.800
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.204	- / -	- / -	- / -	- / -	20 / 0.204
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 0.427	- / -	- / -	- / -	41 / 0.427
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.106	- / -	- / -	10 / 0.106
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.097	- / -	9 / 0.097
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	80 / 0.800	- / -	80 / 0.800	20 / 0.204	41 / 0.427	10 / 0.106	9 / 0.097	- / -	160 / 1.634

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	26	27	27	-	6	7	7	-	13	14	14	-	3	3	4	-	3	3	3	-	160
Out	-	-	-	-	-	-	-	-	-	-	-	26	27	27	-	6	7	7	-	13	14	14	-	3	3	4	3	3	3	-	160

Method of Implementation: Field Mod Team:: Installation Name: Tail Rotor Gearbox Mount (UH-1Y/AH-1Z)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Installation Information

Method of Implementation: Field Mod Team:: Installation Name: Tail Rotor Gearbox Mount (UH-1Y/AH-1Z)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	80 / 0.400	- / -	80 / 0.400	- / -	- / -	- / -	- / -	- / -	80 / 0.400
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.100	- / -	- / -	- / -	- / -	20 / 0.100
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.050	- / -	- / -	- / -	10 / 0.050
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.055	- / -	- / -	11 / 0.055
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.050	- / -	10 / 0.050
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 0.275	55 / 0.275
Total	- / -	- / -	- / -	80 / 0.400	- / -	80 / 0.400	20 / 0.100	10 / 0.050	11 / 0.055	10 / 0.050	55 / 0.275	186 / 0.930

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	20	20	20	20	5	5	5	5	2	2	3	3	2	3	3	3	2	2	3	3	55	186
Out	-	-	-	-	-	-	-	-	-	20	20	20	20	5	5	5	5	2	2	3	3	-	2	3	3	5	2	3	3	55	186

Method of Implementation: Field Mod Team:: Installation Name: Avionics Cooling (UH-1Y/AH-1Z)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.113	- / -	- / -	- / -	- / -	2 / 0.113
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.250	- / -	- / -	- / -	5 / 0.250
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.000	- / -	- / -	20 / 1.000
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	- / -	6 / 0.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.113	5 / 0.250	20 / 1.000	6 / 0.300	- / -	33 / 1.663

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0532 / H-1 Series					Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)									

Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Installation Information

Method of Implementation: Field Mod Team:: Installation Name: Avionics Cooling (UH-1Y/AH-1Z)

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	3	-	-	10	10	-	-	3	3	-	33
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	3	-	-	10	10	-	-	3	3	-	33

Method of Implementation: Field Mod Team:: Installation Name: Composite Elevator (UH-1Y/AH-1Z)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020	- / -	- / -	2 / 0.020
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.150	- / -	15 / 0.150
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	248 / 2.480	248 / 2.480
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.020	15 / 0.150	248 / 2.480	265 / 2.650

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	5	5	5	-	248	265	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	5	5	5	-	248	265	

Method of Implementation: [none specified]:: Installation Name: T700-401C (AH-1Z Reman)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)

Installation Information

Method of Implementation: [none specified]:: Installation Name: T700-401C (AH-1Z Reman)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 1.600	- / -	36 / 1.600
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 1.600	- / -	36 / 1.600

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12	12	-	36		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12	12	36	

Method of Implementation (Organic): Not Installed - Slip Ring/Standpipe (UH-1Y/AH-1Z)	Installation Quantity: 239
Method of Implementation (Organic): Not Installed - Canopy Door Frames (AH-1W/Z)	Installation Quantity: 189
Method of Implementation (Organic): Not Installed - Gearbox Reliability Improvements (UH-1Y)	Installation Quantity: 349
Method of Implementation (Organic): Not Installed - Heat Exchange Airframe Mounting Mod (UH-1Y/AH-1Z)	Installation Quantity: 64
Method of Implementation (Organic): Not Installed - Tail Rotor Drive Shaft (TRDS) Clearance Improvements (UH-1Y/AH-1Z)	Installation Quantity: 349
Method of Implementation (Organic): Not Installed - Tailboom Stinger (UH-1Y/AH-1Z)	Installation Quantity: 156

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 3 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)
Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 013-14)		
Installation Information		
Method of Implementation (Organic): Not Installed - Rotor Brake Improvement (UH-1Y/AH-1Z)		Installation Quantity: 296
Method of Implementation (Organic): Not Installed - ECP 0017R3 Swash Plate Seal (UH-1Y/AH-1Z)		Installation Quantity: 186
Method of Implementation (Organic): Not Installed - Swashplate Clamp Rings (UH-1Y/AH-1Z)		Installation Quantity: 265
Method of Implementation (Organic): Not Installed - External Lights (AH-1Z)		Installation Quantity: 233
Method of Implementation (Organic): Not Installed - External Lights (UH-1Y)		Installation Quantity: 107
Method of Implementation (Organic): Not Installed - Mission Grip Mount (AH-1Z)		Installation Quantity: 189
Method of Implementation (Organic): Not Installed - AC/DC Generator Improvement (UH-1Y/AH-1Z)		Installation Quantity: 349
Method of Implementation (Organic): Not Installed - Composite Elevator (UH-1Y/AH-1Z)		Installation Quantity: 265
Footnotes: ⁽¹⁶⁾ FY2016 Install Equipment N/R for integration engineering of required safety upgrade to aircrew restraint system in response to operational mishap. ⁽¹⁷⁾ Other Support includes validation/verification and engineering support for all modifications.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0532 / H-1 Series	Modification Number / Title: 4 / INACTIVE OSIPS

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>	285.029	-	-	-	-	-	-	-	-	-	-	285.029
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	285.029	-	-	-	-	-	-	-	-	-	-	285.029
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	285.029	-	-	-	-	-	-	-	-	-	-	285.029
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0532 / H-1 Series				Modification Number / Title: 4 / INACTIVE OSIPS				
Models of Systems Affected:			Modification Type:					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: INACTIVE OSIPS												
A Kits												
Recurring												
1.1.1) Inactive OSIPs - Organic	- / 285.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 285.029
Subtotal: Recurring	- / 285.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 285.029
Subtotal: INACTIVE OSIPS	- / 285.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 285.029
Subtotal: Procurement, All Modification Items	- / 285.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 285.029
Support (All Modification Items)												
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	285.029	-	-	-	-	-	-	-	-	-	-	285.029

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0532 / H-1 Series			Modification Number / Title: 4 / INACTIVE OSIPS		
Modification Item 1 of 1: INACTIVE OSIPS							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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

Appropriation / Budget Activity / Budget Sub Activity:

1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft

P-1 Line Item Number / Title:

0537 / EP-3 Series

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>)	1,145.319	108.776	67.845	41.784	6.300	48.084	15.420	7.499	7.760	7.911	-	1,408.614
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,145.319	108.776	67.845	41.784	6.300	48.084	15.420	7.499	7.760	7.911	-	1,408.614
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,145.319	108.776	67.845	41.784	6.300	48.084	15.420	7.499	7.760	7.911	-	1,408.614

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

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

Description:

This line item funds modifications to the EP-3E aircraft. The EP-3E is a land based, long range aircraft with electronic intercept devices for detection and tracking of enemy Radio Detection and Ranging and communications.

In Operational, Safety and Improvement Program (OSIP) 11-01, the Spiral 1 kit improved operational capability and aircrew productivity by expanding the Electronic Support Measures frequency coverage, applying state-of-the-art signal exploitation/processing/display techniques, expanding Direction Finding frequency coverage, off-board classified communication, and expanding special signal processing capability. Spiral 2 kit improved information fusion/decision-making capabilities was deferred. Spiral 3 procurement provides Low Band Communication System Upgrades, Information Operations capability, Environmental Control System modifications, Quick Reaction Capabilities and the replacement of aging and obsolescence aircraft antenna arrays. OSIP 14-05 responds to the current, immediate demand for information operations capabilities on the EP-3E in Overseas Contingency Operations (OCO).

Research and Development is funded with National Security Agency (NSA) Military Intelligence Program (MIP) funds. This OSIP provides the procurement tail for Research, Development, Test and Evaluation (RDT&E) funds from the Navy's Advanced Signal Recognition line (Program Element 0305206N). The NSA RDT&E line for the Navy Airborne Sensor System Improvements funds sensor improvements with application for the EP-3E. MIP RDT&E funds are responsible for the development and acquisition of EP-3E sensors, data links, data relays and ground stations to achieve and maintain interoperability with Defense-wide airborne reconnaissance assets. Active Primary Aircraft Authorization inventory is 12 with a Backup Aircraft Authorization inventory of 3 for a total of 15 aircraft. Funds budgeted in FY2014-FY2020 are to continue EP-3E Joint Airborne Signal Intelligence Architecture Modification Common Configuration Program. The EP-3E has an average age of 38.5 years. The EP-3E service life will be managed through Special Structural Inspection - Kits, Outer Wing Replacement and other aircraft sustainment activities in the P3 Series Modification program (Budget Line Item 0538, OSIP 05-05).

[P3A / JSAF Modification (JMOD) - OSIP 11-01]: FY-14 Congressional Add provided \$8M for the 12th A-Kit and B-Kit for Spiral 3. Installation remains unfunded.

FY-16 increase is to support the Mission System Obsolescence and optimize Maritime ISR&T Transition Plan

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0537 / EP-3 Series		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:	
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO
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)
1 / JSAF Modification (JMOD) - OSIP 11-01 (Operational Improvement / Modernization)	P-3a		- / 640.597	- / 71.347	- / 32.890	- / 41.784	- / -
2 / EP-3E Info Operations - OSIP 14-05 (Operational Improvement / Modernization)	P-3a		- / 124.811	- / 37.429	- / 34.955	- / -	- / 6.300
3 / Inactive OSIPS (Operational Improvement / Modernization)	P-3a		- / 379.911	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 1,145.319	- / 108.776	- / 67.845	- / 41.784	- / 6.300
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete
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)
1 / JSAF Modification (JMOD) - OSIP 11-01 (Operational Improvement / Modernization)	P-3a		- / 15.420	- / 7.499	- / 7.760	- / 7.911	- / -
2 / EP-3E Info Operations - OSIP 14-05 (Operational Improvement / Modernization)	P-3a		- / -	- / -	- / -	- / -	- / -
3 / Inactive OSIPS (Operational Improvement / Modernization)	P-3a		- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 15.420	- / 7.499	- / 7.760	- / 7.911	- / -
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.							
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.							
Justification: FY2014 OCO increase is for SeaVue and High Definition Video and Targeting. FY2016 Baseline increase is in support of the Maritime ISR&T Transition Plan. OCO: FY2016 OCO increase is to support Airborne Collection & Measurement Equipment (ACME) required to conduct COCOM directed missions in support of Operation Freedom's Sentinel (OFS).							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0537 / EP-3 Series	Modification Number / Title: 1 / JSAF Modification (JMOD) - OSIP 11-01

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>)	640.597	71.347	32.890	41.784	-	41.784	15.420	7.499	7.760	7.911	-	825.208
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	640.597	71.347	32.890	41.784	-	41.784	15.420	7.499	7.760	7.911	-	825.208
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	640.597	71.347	32.890	41.784	-	41.784	15.420	7.499	7.760	7.911	-	825.208
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The EP-3E Joint Airborne Signal Intelligence Architecture Modification Common Configuration (JCC) Program is an upgrade to the capabilities of the Sensor System Improvement Program (SSIP) configuration of the EP-3E. This Operational, Safety and Improvement Program (OSIP) responds to Operational Requirements Document (ORD) #571-78-01 and the CAPSTONE ORD #CAF-002-88. JCC is designed as an evolutionary acquisition program consisting of spiral upgrades. JCC Spirals include an updated EP-3E infrastructure, improved auto-Electronic Support Measures (ESM) with the Story Finder system, incorporated Joint Signal Processor, incorporated SSIP corrections, incorporated low band capability which improves special collection capability, Information Operations and incorporated Quick Reaction Capabilities (QRC). Data Fusion capability is currently deferred.

In OSIP 11-01, the Spiral 1 ForceNet kit improved operational capability and aircrew productivity by expanding the ESM frequency coverage, applying state-of-the-art signal exploitation/processing/display techniques, expanding Direction Finding frequency coverage, off-board classified communication, and expanding special signal processing capability. Spiral 3 procurement began in FY11 with Low Band Communication System Upgrades, IO capability, Environmental Control System modification, QRC and the replacement of aging and obsolescence aircraft antenna arrays. QRC funds address mission avionics system obsolescence and emerging requirements. This OSIP includes JCC Obsolescence funding to replace subsystem obsolescence to ensure EP-3E viability until aircraft recapitalization. JCC Obsolescence and ILS are aligned to meet Electronic Intelligence, Communications Intelligence, Communications, Mission Management and Special Signals obsolescence requirements in order to support EP mod transition to Multi-INT Family of Systems (FoS).

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

JCC Spiral 1 Low Rate Initial Production (LRIP) decision was approved as planned on 06 June 2005 and Full Rate Production decision and contract awarded 4th Quarter of FY06

JCC Spiral 2 was deferred

JCC Spiral 3 LRIP decision was approved on 25 February 2011

NOTES:

- 1) Other Support includes navy test for Obsolescence
- 2) Install Schedule based on Projected Aircraft Availability
- 3) Obsolescence quantities include various mission equipment quantities
- 4) FY-14 Congressional Add provided \$8M for the 12th A-Kit and B-Kit for Spiral 3. Installation remains unfunded
- 5) FY-15 through FY-20 NRE, ECO, Data, Training Equipment and Support Equipment supports EP-3E Obsolescence issues.
- 6) FY-16 increase is to support the Mission System Obsolescence and optimize Maritime ISR&T Transition Plan.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0537 / EP-3 Series	Modification Number / Title: 1 / JSAF Modification (JMOD) - OSIP 11-01

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0537 / EP-3 Series				Modification Number / Title: 1 / JSAF Modification (JMOD) - OSIP 11-01					
Models of Systems Affected: EP-3E				Modification Type: Operational Improvement / Modernization				Related RDT&E PEs: 0305206N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: JSAF Modification (JMOD) - OSIP 11-01													
A Kits													
Recurring													
1.1.1) Prior Year Archive - Organic	- / 21.799	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.799	
1.1.2) JMOD Common SP3 - NonOrganic ⁽¹⁾	10 / 20.380	2 / 5.572	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 25.952	
Subtotal: Recurring	- / 42.179	- / 5.572	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.751	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 22.465	- / 1.000	- / 1.000	- / 1.000	- / -	- / 1.000	- / 0.500	- / 0.200	- / 0.200	- / 0.100	- / -	- / 26.465	
Subtotal: Non-Recurring	- / 22.465	- / 1.000	- / 1.000	- / 1.000	- / -	- / 1.000	- / 0.500	- / 0.200	- / 0.200	- / 0.100	- / -	- / 26.465	
B Kits													
Recurring													
2.1.1) Prior Year Archive - Organic	- / 131.512	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 131.512	
2.1.2) JMOD Common SP3 - Organic	7 / 37.508	2 / 9.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 47.296	
Subtotal: Recurring	- / 169.020	- / 9.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 178.808	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 44.091	- / 0.300	- / 0.800	- / 0.800	- / -	- / 0.800	- / 0.500	- / 0.200	- / 0.200	- / 0.100	- / -	- / 46.991	
Subtotal: Non-Recurring	- / 44.091	- / 0.300	- / 0.800	- / 0.800	- / -	- / 0.800	- / 0.500	- / 0.200	- / 0.200	- / 0.100	- / -	- / 46.991	
Subtotal: JSAF Modification (JMOD) - OSIP 11-01	17 / 277.755	4 / 16.660	- / 1.800	- / 1.800	- / -	- / 1.800	- / 1.000	- / 0.400	- / 0.400	- / 0.200	- / -	21 / 300.015	
Subtotal: Procurement, All Modification Items	- / 277.755	- / 16.660	- / 1.800	- / 1.800	- / -	- / 1.800	- / 1.000	- / 0.400	- / 0.400	- / 0.200	- / -	- / 300.015	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) JCC Obsolescence ⁽²⁾	- / 126.027	- / 25.818	- / 17.991	- / 18.460	- / -	- / 18.460	- / 7.799	- / 2.170	- / 2.407	- / 2.567	- / -	- / 203.239	
3.3) QRC	- / -	- / 0.931	- / 0.947	- / 0.850	- / -	- / 0.850	- / 0.865	- / 0.880	- / 0.880	- / 0.880	- / -	- / 6.233	
3.4) Data	- / 12.449	- / 1.000	- / 1.000	- / 1.000	- / -	- / 1.000	- / 0.100	- / 0.100	- / 0.100	- / 0.050	- / -	- / 15.799	
3.5) Training Equipment	- / 13.737	- / 1.000	- / 1.000	- / 1.000	- / -	- / 1.000	- / 0.600	- / 0.639	- / 0.639	- / 0.639	- / -	- / 19.254	
3.6) Support Equipment	- / 15.020	- / 1.000	- / 1.000	- / 1.000	- / -	- / 1.000	- / 0.200	- / 0.200	- / 0.200	- / 0.100	- / -	- / 18.720	
3.7) ILS	- / 26.207	- / 1.615	- / 1.702	- / 1.600	- / -	- / 1.600	- / 0.500	- / 0.809	- / 0.787	- / 0.778	- / -	- / 33.998	
3.8) Other Support	- / 98.260	- / 5.735	- / 3.296	- / 2.174	- / -	- / 2.174	- / 1.561	- / 0.501	- / 0.498	- / 0.498	- / -	- / 112.523	
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0537 / EP-3 Series					Modification Number / Title: 1 / JSAF Modification (JMOD) - OSIP 11-01				
Models of Systems Affected: EP-3E				Modification Type: Operational Improvement / Modernization				Related RDT&E PEs: 0305206N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Subtotal: Support	- / 291.700	- / 37.099	- / 26.936	- / 26.084	- / -	- / 26.084	- / 11.625	- / 5.299	- / 5.511	- / 5.512	- / -	- / 409.766	
Installation													
Modification Item 1 of 1: JSAF Modification (JMOD) - OSIP 11-01	- / 71.142	- / 17.588	- / 4.154	- / 13.900	- / -	- / 13.900	- / 2.795	- / 1.800	- / 1.849	- / 2.199	- / -	- / 115.427	
Subtotal: Installation	- / 71.142	- / 17.588	- / 4.154	- / 13.900	- / -	- / 13.900	- / 2.795	- / 1.800	- / 1.849	- / 2.199	- / -	- / 115.427	
Total													
Total Cost (Procurement + Support + Installation)	640.597	71.347	32.890	41.784	-	41.784	15.420	7.499	7.760	7.911	-	825.208	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0537 / EP-3 Series				Modification Number / Title: 1 / JSAF Modification (JMOD) - OSIP 11-01				
Modification Item 1 of 1: JSAF Modification (JMOD) - OSIP 11-01												
Manufacturer Information												
Manufacturer Name: L-3 - Spiral 3 ⁽³⁾						Manufacturer Location: Waco, Texas						
Administrative Leadtime <i>(in Months)</i> : 3						Production Leadtime <i>(in Months)</i> : 8						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Dec 2013		Dec 2015									
Delivery Dates	Aug 2014		Aug 2016									
Manufacturer Name: TBD - Obsolescence ECP's ⁽⁴⁾						Manufacturer Location: TBD						
Administrative Leadtime <i>(in Months)</i> : 2						Production Leadtime <i>(in Months)</i> : 2						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019					
Delivery Dates	Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018	Feb 2019	Feb 2020					
Installation Information												
Method of Implementation: Commercial Contractor Installation:: Installation Name: JMOD Common SP3												
Installation Cost	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Prior Years	8 / 42.768	2 / 13.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 55.880
FY 2014	- / -	- / -	- / -	1 / 3.200	- / -	1 / 3.200	- / -	- / -	- / -	- / -	1 / -	2 / 3.200
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	8 / 42.768	2 / 13.112	- / -	1 / 3.200	- / -	1 / 3.200	- / -	- / -	- / -	- / -	1 / -	12 / 59.080

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0537 / EP-3 Series					Modification Number / Title: 1 / JSAF Modification (JMOD) - OSIP 11-01									

Modification Item 1 of 1: JSAF Modification (JMOD) - OSIP 11-01

Installation Information

Method of Implementation: Commercial Contractor Installation:: Installation Name: JMOD Common SP3

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	8	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	12	
Out	6	1	1	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	12	

Method of Implementation: Navy Field Mod Team:: Installation Name: JCC Obsolescence

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 28.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 28.374
FY 2014	- / -	- / 4.476	- / -	- / 10.700	- / -	- / 10.700	- / -	- / -	- / -	- / -	- / -	- / 15.176
FY 2015	- / -	- / -	- / 4.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.154
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.795	- / -	- / -	- / -	- / -	- / 2.795
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.800	- / -	- / -	- / -	- / 1.800
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.849	- / -	- / -	- / 1.849
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.199	- / -	- / 2.199
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 28.374	- / 4.476	- / 4.154	- / 10.700	- / -	- / 10.700	- / 2.795	- / 1.800	- / 1.849	- / 2.199	- / -	1 / 56.347

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		

Method of Implementation (Organic): Not Installed - JMOD Common SP3

Installation Quantity: 9

Footnotes:

⁽¹⁾ FY-14 Congressional Add of \$8M was received for the 12th A-Kit and B-Kit for Spiral 3. Installation still remains unfunded.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0537 / EP-3 Series	Modification Number / Title: 1 / JSAF Modification (JMOD) - OSIP 11-01
(2) Added Remark: P-3A In/Out for Total Prior Years should be blank, set to 1 as a workaround. (3) Install Schedule based on projected aircraft availability (4) OBS quantities include various mission equipment quantities.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0537 / EP-3 Series						Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05		
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>)	124.811	37.429	34.955	-	6.300	6.300	-	-	-	-	-	203.495
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	124.811	37.429	34.955	-	6.300	6.300	-	-	-	-	-	203.495
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	124.811	37.429	34.955	-	6.300	6.300	-	-	-	-	-	203.495
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This program responds to the current, immediate demand for information operations capabilities on the EP-3E in the Overseas Contingency Operations (OCO) and has been funded via the Emergency Supplemental Appropriation for Defense. This EP-3E Information Operations program will procure the necessary modifications for EP-3E aircraft to selectively conduct offensive intelligence operations. This requirement was originally identified by Commander U.S. Fifth Fleet (US Navy) N3//11715332OCT02)for Operation Enduring Freedom. The requirement was further identified by Commander Naval Forces - Iraq (021101ZNOV04) and endorsed by United States Central Command (CCJ3-P//091619ZNOV4), United States Naval Forces, Central Command(CENTCOM)(111332ZNOV04) and Commander, U.S. Fleet Forces Command(122012ZNOV04). The FY2014 EP-3 Escort Production and Red Falcon efforts procure and rapidly integrate Escort production and Red Falcon systems required to conduct COCOM directed missions in support of OCOs. Specific operational details can be provided in a classified forum. FY2014 OCO increase is to support SeaVue and High Definition Video and Targeting required to conduct COCOM directed missions in support OCOs. FY2015 OCO Request for Special Collection and Cyber (SCC) Equipment effort procures and rapidly integrates systems required to conduct COCOM directed missions in support of OCOs. Specific operational details can be provided in a classified forum. FY2015 OCO Request for All Conditions Exploitation System (ACES) effort procures and rapidly integrates All Conditions Exploitation System (ACES). Capabilities include all weather, day-night surveillance capable Video Synthetic Aperture Radar (SAR), VideoSAR, Ground Moving Target Indicator (GMTI), Coherent Change Detection (CCD), and Maritime Collect (MC) modes to conduct COCOM directed missions in support of OCOs. Specific operational details can be provided in a classified forum. FY2016 OCO Request for Airborne Collection & Measurement Equipment (ACME). Effort procures and rapidly integrates ACME required to conduct COCOM directed missions in support of Operation Freedom's Sentinel (OFS). NOTES: 1) 2 Val/Ver Kits are not included in CDL Installs 2) FY14 and FY15 Vortex Installs funded with FY13 OCO 3) FY15 Escort Installs funded with FY14 OCO 4) FY15 Red Falcon Installs funded with FY14 OCO 5) FY15 SeaVue Installs funded with FY14 OCO												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0537 / EP-3 Series	Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05
6) FY16 ACES and SCC Installs funded with FY15 OCO 7) FY17 ACME Installs funded with FY16 OCO 8) SeaVue B-Kits will be used as mission specific and not required on all aircraft.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0537 / EP-3 Series				Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05					
Models of Systems Affected: EP-3E				Modification Type: Operational Improvement / Modernization				Related RDT&E PEs: 0305206N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: EP-3E Info Operations - OSIP 14-05													
A Kits													
Recurring													
1.1.1) Vortex - NonOrganic ⁽⁵⁾	12 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.400	
1.1.2) Escort - NonOrganic ⁽⁶⁾	- / -	12 / 0.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.240	
1.1.3) Red Falcon - NonOrganic ⁽⁷⁾	- / -	12 / 0.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.240	
1.1.4) Special Collection and Cyber (SCC) Equipment - NonOrganic ⁽⁸⁾	- / -	- / -	12 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.600	
1.1.5) All Conditions Exploitation System (ACES) - NonOrganic ⁽⁹⁾	- / -	- / -	5 / 2.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.250	
1.1.6) SeaVue - NonOrganic	- / -	12 / 2.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.333	
1.1.7) Airborne Collection & Measurement Equipment (ACME) - NonOrganic ⁽¹⁰⁾	- / -	- / -	- / -	- / -	14 / 0.700	14 / 0.700	- / -	- / -	- / -	- / -	- / -	14 / 0.700	
1.1.8) ARCHIVED ECPs - Organic	34 / 25.472	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 25.472	
Subtotal: Recurring	- / 25.872	- / 2.813	- / 2.850	- / -	- / 0.700	- / 0.700	- / -	- / -	- / -	- / -	- / -	- / 32.235	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 3.480	- / 5.180	- / 1.450	- / -	- / 0.498	- / 0.498	- / -	- / -	- / -	- / -	- / -	- / 10.608	
Subtotal: Non-Recurring	- / 3.480	- / 5.180	- / 1.450	- / -	- / 0.498	- / 0.498	- / -	- / -	- / -	- / -	- / -	- / 10.608	
B Kits													
Recurring													
2.1.1) Escort - Organic	- / -	12 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.300	
2.1.2) Red Falcon - Organic	- / -	12 / 3.984	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 3.984	
2.1.3) Special Collection and Cyber (SCC) Equipment - Organic	- / -	- / -	12 / 2.460	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.460	
2.1.4) All Conditions Exploitation System (ACES) - Organic	- / -	- / -	5 / 22.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 22.500	
2.1.5) SeaVue - Organic	- / -	10 / 15.925	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 15.925	
2.1.6) Airborne Collection & Measurement Equipment (ACME) - Organic	- / -	- / -	- / -	- / -	14 / 3.192	14 / 3.192	- / -	- / -	- / -	- / -	- / -	14 / 3.192	
2.1.7) Prior Year Installation Cost - Organic	34 / 12.768	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 12.768	
2.1.8) ARCHIVE B-KITS - Organic	53 / 57.843	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / 57.843	
Subtotal: Recurring	- / 70.611	- / 20.209	- / 24.960	- / -	- / 3.192	- / 3.192	- / -	- / -	- / -	- / -	- / -	- / 118.972	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0537 / EP-3 Series				Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05				
Models of Systems Affected: EP-3E				Modification Type: Operational Improvement / Modernization				Related RDT&E PEs: 0305206N				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Non-Recurring												
2.2.1) Install Equipment N/R - Organic	- / 3.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.050
Subtotal: Non-Recurring	- / 3.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.050
Subtotal: EP-3E Info Operations - OSIP 14-05	133 / 103.013	70 / 28.202	34 / 29.260	- / -	28 / 4.390	28 / 4.390	- / -	- / -	- / -	- / -	- / -	265 / 164.865
Subtotal: Procurement, All Modification Items	- / 103.013	- / 28.202	- / 29.260	- / -	- / 4.390	- / 4.390	- / -	- / -	- / -	- / -	- / -	- / 164.865
Support (All Modification Items)												
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Surge ECO	- / 6.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.000
3.3) Data	- / 0.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.081
3.4) Training Equipment	- / 1.886	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.886
3.5) Support Equipment	- / 1.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.100
3.6) ILS	- / 1.037	- / -	- / 0.330	- / -	- / 0.030	- / 0.030	- / -	- / -	- / -	- / -	- / -	- / 1.397
3.7) Other Support	- / 11.044	- / 1.713	- / 0.815	- / -	- / 0.200	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / 13.772
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 21.148	- / 1.713	- / 1.145	- / -	- / 0.230	- / 0.230	- / -	- / -	- / -	- / -	- / -	- / 24.236
Installation												
Modification Item 1 of 1: EP-3E Info Operations - OSIP 14-05	- / 0.650	- / 7.514	- / 4.550	- / -	- / 1.680	- / 1.680	- / -	- / -	- / -	- / -	- / -	- / 14.394
Subtotal: Installation	- / 0.650	- / 7.514	- / 4.550	- / -	- / 1.680	- / 1.680	- / -	- / -	- / -	- / -	- / -	- / 14.394
Total												
Total Cost (Procurement + Support + Installation)	124.811	37.429	34.955	-	6.300	6.300	-	-	-	-	-	203.495

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0537 / EP-3 Series			Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05	
Modification Item 1 of 1: EP-3E Info Operations - OSIP 14-05							
Manufacturer Information							
Manufacturer Name: TBD - Vortex				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: TBD - Escort & Red Falcon				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jan 2014						
Delivery Dates	Jun 2014						
Manufacturer Name: TBD - SCC Equipment				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jan 2015					
Delivery Dates		Jun 2015					
Manufacturer Name: TBD - ACES				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jan 2015					
Delivery Dates		Jun 2015					
Manufacturer Name: TBD - SeaVue				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jan 2015					
Delivery Dates		Jun 2015					
Manufacturer Name: TBD - ACME				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Jan 2016				
Delivery Dates			Jun 2016				

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0537 / EP-3 Series			Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05

Modification Item 1 of 1: EP-3E Info Operations - OSIP 14-05

Installation Information

Method of Implementation: Navy Field Mod Team:: Installation Name: Vortex

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	4 / 0.650	6 / 0.000	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.650
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.650	6 / -	2 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.650

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	4	2	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
Out	-	2	2	2	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		

Method of Implementation: Navy Field Mod Team:: Installation Name: Escort / Red Falcon

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	16 / 0.840	8 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.840
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	16 / 0.840	8 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.840

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0537 / EP-3 Series					Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05									

Modification Item 1 of 1: EP-3E Info Operations - OSIP 14-05

Installation Information

Method of Implementation: Navy Field Mod Team:: Installation Name: Escort / Red Falcon

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	8	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
Out	-	-	-	-	8	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24

Method of Implementation: Navy Field Mod Team:: Installation Name: Special Collection and Cyber (SCC) Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	5 / 1.800	7 / -	- / -	7 / -	- / -	- / -	- / -	- / -	- / -	12 / 1.800
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	5 / 1.800	7 / -	- / -	7 / -	- / -	- / -	- / -	- / -	- / -	12 / 1.800

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	2	3	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	-	-	-	-	-	-	-	-	2	3	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12

Method of Implementation: Navy Field Mod Team:: Installation Name: All Conditions Exploitation System (ACES)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0537 / EP-3 Series					Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05			

Modification Item 1 of 1: EP-3E Info Operations - OSIP 14-05

Installation Information

Method of Implementation: Navy Field Mod Team:: Installation Name: All Conditions Exploitation System (ACES)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	2 / 2.750	3 / -	- / -	3 / -	- / -	- / -	- / -	- / -	- / -	5 / 2.750
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 2.750	3 / -	- / -	3 / -	- / -	- / -	- / -	- / -	- / -	5 / 2.750

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	-	-	-	-	-	-	-	-	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5

Method of Implementation: Navy Field Mod Team:: Installation Name: SeaVue

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / 6.674	6 / -	6 / -	- / -	6 / -	- / -	- / -	- / -	- / -	- / -	12 / 6.674
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / 6.674	6 / -	6 / -	- / -	6 / -	- / -	- / -	- / -	- / -	- / -	12 / 6.674

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0537 / EP-3 Series					Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05									

Modification Item 1 of 1: EP-3E Info Operations - OSIP 14-05

Installation Information

Method of Implementation: Navy Field Mod Team:: Installation Name: SeaVue

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	-	-	-	-	-	-	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12

Method of Implementation: Navy Field Mod Team:: Installation Name: Airborne Collection & Measurement Equipment (ACME)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	7 / 1.680	7 / 1.680	7 / -	- / -	- / -	- / -	- / -	14 / 1.680
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	7 / 1.680	7 / 1.680	7 / -	- / -	- / -	- / -	- / -	14 / 1.680

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	3	4	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Out	-	-	-	-	-	-	-	-	-	-	-	-	3	4	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14

Method of Implementation (Organic): Not Installed - ARCHIVED ECPs

Installation Quantity: 34

Method of Implementation (Organic): Not Installed - Escort

Installation Quantity: 12

Method of Implementation (Organic): Not Installed - Red Falcon

Installation Quantity: 12

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0537 / EP-3 Series	Modification Number / Title: 2 / EP-3E Info Operations - OSIP 14-05
Modification Item 1 of 1: EP-3E Info Operations - OSIP 14-05		
Installation Information		
Method of Implementation (Organic): Not Installed - Special Collection and Cyber (SCC) Equipment		Installation Quantity: 12
Method of Implementation (Organic): Not Installed - All Conditions Exploitation System (ACES)		Installation Quantity: 5
Method of Implementation (Organic): Not Installed - SeaVue		Installation Quantity: 10
Method of Implementation (Organic): Not Installed - Airborne Collection & Measurement Equipment (ACME)		Installation Quantity: 14
Method of Implementation (Organic): Not Installed - Prior Year Installation Cost		Installation Quantity: 34
Method of Implementation (Organic): Not Installed - ARCHIVE B-KITS		Installation Quantity: 53
Footnotes: ⁽⁵⁾ FY14 and FY15 Vortex Installs funded with FY13 OCO ⁽⁶⁾ FY15 Escort Installs Funded with FY14 OCO ⁽⁷⁾ FY15 Red Falcon Installs funded with FY14 OCO ⁽⁸⁾ FY-16 SCC Installs funded with FY-15 OCO ⁽⁹⁾ FY-16 ACES Installs funded with FY-15 OCO ⁽¹⁰⁾ FY-17 ACME Installs are funded with FY-16 OCO		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0537 / EP-3 Series					Modification Number / Title: 3 / Inactive OSIPS			
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>	379.911	-	-	-	-	-	-	-	-	-	-	379.911
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	379.911	-	-	-	-	-	-	-	-	-	-	379.911
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	379.911	-	-	-	-	-	-	-	-	-	-	379.911
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0537 / EP-3 Series						Modification Number / Title: 3 / Inactive OSIPS			
Models of Systems Affected: EP-3E				Modification Type: Operational Improvement / Modernization				Related RDT&E PEs: 0305206N					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: N/A</i>													
<i>Subtotal: N/A</i>													
<i>Subtotal: Procurement, All Modification Items</i>													
Support (All Modification Items)													
<i>3.1) Inactive OSIPS</i>													
<i>Subtotal: Support</i>													
Installation													
<i>Subtotal: Installation</i>													
Total													
Total Cost (Procurement + Support + Installation)													

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0537 / EP-3 Series			Modification Number / Title: 3 / Inactive OSIPS	
<i>Modification Item 1 of 1:</i> N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation						Installation Quantity: 0	

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0538 / P-3 Series					
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>	4,864.726	36.530	2.823	3.067	-	3.067	2.980	3.045	3.146	3.207	-	4,919.524
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	4,864.726	36.530	2.823	3.067	-	3.067	2.980	3.045	3.146	3.207	-	4,919.524
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	4,864.726	36.530	2.823	3.067	-	3.067	2.980	3.045	3.146	3.207	-	4,919.524
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to P-3 aircraft. The P-3 Orion is a four turbo-prop engine, long-range maritime surveillance aircraft which performs Under Sea Warfare, Surface Warfare and Intelligence, Surveillance and Reconnaissance in support of battle group and littoral operations in direct support of Sea Shield and Forcenet pillars of Seapower 21. A key investment area is P-3 Mod Programs. Funding for these programs support a multitude of obsolescence, structural, sustainment, training/logistics and warfighting capability upgrades that are key in keeping the P-3 platform relevant through Multi-mission Maritime Aircraft (MMA) Initial Operational Capability of 2013 and until the projected MMA Full Operational Capability of 2019 (and beyond for Block Mod Upgrade Program and EP-3 configurations). P-3 aircraft mods funded under the Aircraft Procurement, Navy line have heavily supported recent and current Operation Enduring Freedom, Operation Iraqi Freedom and Overseas Contingency Operations (OCO). Without key technology upgrades and aggressive obsolescence management, P-3 aircraft will be unable to meet Fleet Response Plan requirements, leaving key Seapower 21 capabilities in support of the Combatant Commanders at risk. This P-3 Sustainment Bridge provides a roadmap ensuring sufficient P-3 assets for Fleet and Combatant Commanders to fulfill operational and training/readiness requirements. The overall goal of the modifications budgeted in FY2016 (as approved via 5 year rule waivers) is to continue aircraft sustainment, including: USQ-78 improvements (part of UpdateIII), comm/nav/surveillance weapon system improvements, upgrades/modifications to airframe components/systems (including outer wing replacements), safety improvements and key system obsolescence upgrades. [P3A - 7 / ADSS w/OASIS Functionality (IP Replacement)]: Final reduction to ADSS w/OASIS Functionality due to A/C retirements. [P3A - 7 / BMUP Sustainment Upgrades]: Reduction in BMUP Sustainment Upgrades due to A/C retirements. [P3A - 7 / P-3 Obsolescence Upgrades]: Increase in P-3 Obsolescence upgrades due to additional Obsolescence requirements.												

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0538 / P-3 Series

ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / UPDT III BLK UPRDE(OSIP 080-84) (Operational Improvement)	P-3a		- / 1,349.684	- / 3.405	- / -	- / -	- / -	- / -
2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85) (Readiness)	P-3a		- / 39.768	- / 0.467	- / -	- / -	- / -	- / -
3 / ASUW IMPROV. PROG.(OSIP 029-94) (Operational Improvement)	P-3a		- / 1,473.684	- / 5.925	- / -	- / -	- / -	- / -
4 / CNS-ATM(OSIP 013-01) (Operational Improvement/Safety)	P-3a		- / 213.127	- / 1.176	- / -	- / -	- / -	- / -
5 / SSI-K(OSIP 005-05) (Sustainment)	P-3a		- / 1,373.766	- / 21.464	- / 0.500	- / -	- / -	- / -
6 / PROJECT K-0416(OSIP 005-07) (Operational Improvement)	P-3a		- / 15.666	- / 2.164	- / -	- / -	- / -	- / -
7 / P-3 MISSION SYSTEMS(OSIP 006-08) (Operational Improvement)	P-3a		- / 41.558	- / 1.929	- / 2.323	- / 3.067	- / -	- / 3.067
8 / Inactive OSIPs ()	P-3a		- / 357.473	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 4,864.726	- / 36.530	- / 2.823	- / 3.067	- / -	- / 3.067
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / UPDT III BLK UPRDE(OSIP 080-84) (Operational Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 1,353.089
2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85) (Readiness)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 40.235
3 / ASUW IMPROV. PROG.(OSIP 029-94) (Operational Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 1,479.609
4 / CNS-ATM(OSIP 013-01) (Operational Improvement/Safety)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 214.303
5 / SSI-K(OSIP 005-05) (Sustainment)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 1,395.730
6 / PROJECT K-0416(OSIP 005-07) (Operational Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 17.830
7 / P-3 MISSION SYSTEMS(OSIP 006-08) (Operational Improvement)	P-3a		- / 2.980	- / 3.045	- / 3.146	- / 3.207	- / -	- / 61.255
8 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 357.473
Total Gross/Weapon System Cost			- / 2.980	- / 3.045	- / 3.146	- / 3.207	- / -	- / 4,919.524

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

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

Justification:

The budget supports the remaining P-3 variants through 2020 in order to complete the P-8 transition, and has been optimized for 55 AIP+, 12 EP-3, and 19 BMUP configured aircraft.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 1 / UPDT III BLK UPGRDE(OSIP 080-84)

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>)	1,349.684	3.405	-	-	-	-	-	-	-	-	-	1,353.089
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	1,349.684	3.405	-	-	-	-	-	-	-	-	-	1,353.089
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	1,349.684	3.405	-	-	-	-	-	-	-	-	-	1,353.089
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Update III Block Upgrade program provides an improved P-3 anti-submarine warfare (ASW) capability required to neutralize current and emerging littoral and open ocean submarine threats in support of Sea Shield/Sea Power 21.

The program initially establishes a common configuration of AN/USQ-78(V) acoustic processors, acoustic data recorders, sonobuoy receivers, and other acoustic subsystem components for all P-3C Mission Aircraft. Follow-on program efforts continuously modernize this common acoustic subsystem baseline to address Commercial Off-The-Shelf (COTS) component obsolescence, accomplish periodic COTS technology insertions, and provide functional improvements via an Air Acoustic Rapid COTS Insertion (Air ARCI) process. These common configuration efforts and follow-on technology insertion efforts are accomplished with AN/USQ-78(V) Air ARCI upgrade funding.

Objectives of the Update III Block Upgrade Program are to provide improved ASW capability through a series of Air ARCI Technology Insertions/Refreshes to the Acoustic Receiver, Acoustic Processor, and the Acoustic System. These Tech Insertions/Refreshes will: (1) increase digital sonobuoy monitoring capacity and improve acoustic subsystem maintainability by replacing the analog ARR-78 sonobuoy receiver with a digital Software Defined Sonobuoy Receiver; (2) increase system openness by eliminating the analog signal conditioning and Military-unique interface cards; (3) increase processing growth to meet emerging under-sea threats and Fleet ASW requirements for multi-static acoustic sensor processing (e.g., Extended Echo Ranging family), active acoustic sensor processing (e.g., Directional Command Active Sonobuoy System) and passive acoustic sensor processing (e.g., Acoustic Data Recorder, Directional Frequency Analysis and Recording) by incrementally upgrading system memory and processing capacity with the latest commercial variants of COTS single board computers and digital signal processors; (4) provide additional on going non-recurring engineering solutions to support continuous technology insertions/Refreshes and COTS obsolescence mitigation on a regular cycle via an ARCI Tech Refresh process to the USQ78(B) system.

The Update III Common Configuration program is based on Decision Coordinating Paper W-080-AS and the Program Management Plan #0526 serial 902D/6U324405

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The original Update III variant received approval for limited production in December 1983 and December 1984. Approval for full production was received in January 1986. The basis of the currently planned common configuration is an AN/USQ-78(V) variant that received approval for full production in February 2002.

Notes:

1. The cost of "A" and "B" kits for USQ-78 are not separately priced.
2. Install unit cost dependant on number of installs accomplished by Government and Contractor install teams.
3. Installs for APTR Retrofit Card Sets were originally planned for O-level now require Depot Level Field Mod Team.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 1 / UPDT III BLK UPGRDE(OSIP 080-84)

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 1 / UPDT III BLK UPGRDE(OSIP 080-84)					
Models of Systems Affected: P3C				Modification Type: Operational Improvement				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: UPDT III BLK UPGRDE(OSIP 080-84)													
A Kits													
Recurring													
1.1.1) Prior Year Archive - Organic	- / 98.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 98.787	
Subtotal: Recurring	- / 98.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 98.787	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 63.979	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 63.979	
Subtotal: Non-Recurring	- / 63.979	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 63.979	
B Kits													
Recurring													
2.1.1) Prior Year Archive - Organic	- / 793.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 793.182	
2.1.2) USQ78 APTR Retrofit Card Sets - NonOrganic	64 / 15.749	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 15.749	
2.1.3) USQ 78 APTR Upgrade Kits - NonOrganic	12 / 9.512	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 9.512	
Subtotal: Recurring	- / 818.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 818.443	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 136.932	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 136.932	
Subtotal: Non-Recurring	- / 136.932	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 136.932	
Subtotal: UPDT III BLK UPGRDE(OSIP 080-84)	76 / 1,118.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 1,118.141	
Subtotal: Procurement, All Modification Items	- / 1,118.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,118.141	
Support (All Modification Items)													
3.1) ECO	- / 11.151	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.351	
3.2) Data	- / 17.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.424	
3.3) Training Equipment	76 / 33.017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 33.017	
3.4) Support Equipment	- / 2.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.753	
3.5) ILS	- / 3.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.581	
3.6) Other Support	- / 162.807	- / 1.855	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 164.662	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 230.733	- / 2.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 232.788	
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 1 / UPDT III BLK UPGRDE(OSIP 080-84)				
Models of Systems Affected: P3C				Modification Type: Operational Improvement				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 1 of 1: UPDT III BLK UPGRDE(OSIP 080-84)	- / 0.810	- / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.160
Subtotal: Installation	- / 0.810	- / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.160
Total												
Total Cost (Procurement + Support + Installation)	1,349.684	3.405	-	-	-	-	-	-	-	-	-	1,353.089

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0538 / P-3 Series			Modification Number / Title: 1 / UPDT III BLK UPGRDE(OSIP 080-84)		

Modification Item 1 of 1: UPDT III BLK UPGRDE(OSIP 080-84)

Manufacturer Information

Manufacturer Name: TBD-Update III ARTR ⁽¹⁾				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: NADEP Jax, Contractor Field Mod Team:: Installation Name: APTR Retrofit Cards and Upgrade Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	54 / 0.810	22 / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 2.160
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	54 / 0.810	22 / 1.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 2.160

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	54	3	5	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76
Out	54	3	5	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76

Footnotes:

⁽¹⁾ Sono Receiver (Acoustic Receiver Tech Refresh) /Acoustic Processor Tech Refresh

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series						Modification Number / Title: 2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)		
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>	39.768	0.467	-	-	-	-	-	-	-	-	-	40.235
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	39.768	0.467	-	-	-	-	-	-	-	-	-	40.235
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	39.768	0.467	-	-	-	-	-	-	-	-	-	40.235
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: The purpose of this program is to provide the requisite funding to implant various minor cost effective changes to critical P-3 weapon systems. These changes are essential to the operation of the aircraft and/or it's mission systems, but are not currently being addressed by an existing aircraft modification program. The changes can be either airframe, avionic, or procedures. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The changes identified are minor and do not require approval for full production. Notes: 1. No install schedule is depicted for Standby (Peanut) Gyro Mod Kits and trainers because they are included in Electronic Flight Display System installs in OSIP 13-01.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)					
Models of Systems Affected: P-3C P-3C				Modification Type: Readiness				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)													
A Kits													
Recurring													
1.1.1) Prior Year Kits - Organic	1,657 / 15.899	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,657 / 15.899	
Subtotal: Recurring	- / 15.899	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.899	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 7.226	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.226	
Subtotal: Non-Recurring	- / 7.226	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.226	
B Kits													
Recurring													
2.1.1) Prior Year Equipment - Organic	126 / 2.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 2.019	
2.1.2) Prior Year Inactive Installations - Organic	3 / 4.207	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.207	
2.1.3) GAS-1 - NonOrganic ⁽²⁾	40 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / -	
Subtotal: Recurring	- / 6.226	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.226	
Subtotal: CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)	1,826 / 29.351	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,826 / 29.351	
Subtotal: Procurement, All Modification Items	- / 29.351	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.351	
Support (All Modification Items)													
3.1) ECO	- / 0.207	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.307	
3.2) Data	- / 2.710	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.710	
3.3) Training Equipment	11 / 0.364	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.364	
3.4) Support Equipment	- / 0.264	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.264	
3.5) ILS	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.150	
3.6) Other Support	- / 6.362	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.362	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 10.057	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.157	
Installation													
Modification Item 1 of 1: CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)	- / 0.360	- / 0.367	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.727	
Subtotal: Installation	- / 0.360	- / 0.367	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.727	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series					Modification Number / Title: 2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)				
Models of Systems Affected: P-3C P-3C				Modification Type: Readiness					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Total													
Total Cost (Procurement + Support + Installation)		39.768	0.467	-	-	-	-	-	-	-	-	40.235	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)																											
Modification Item 1 of 1: CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)																																			
Manufacturer Information																																			
Manufacturer Name: TBD							Manufacturer Location: TBD																												
Administrative Leadtime (in Months):							Production Leadtime (in Months):																												
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																												
Contract Dates																																			
Delivery Dates																																			
Installation Information																																			
Method of Implementation: Contractor Field Team:: Installation Name: GAS-1																																			
Installation Cost	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																							
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																						
Prior Years	20 / 0.360	20 / 0.367	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.727																						
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
Total	20 / 0.360	20 / 0.367	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 0.727																						
Installation Schedule																																			
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	20	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40				
Out	15	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40				
Method of Implementation (Organic): Not Installed - Prior Year Kits																																Installation Quantity: 1657			
Method of Implementation (Organic): Not Installed - Prior Year Equipment																																Installation Quantity: 126			

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 2 / CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)
Modification Item 1 of 1: CRITICAL SYSTEMS IMPROVEMENTS(OSIP 053-85)		
Installation Information		
Method of Implementation (Organic): Not Installed - Prior Year Inactive Installations		Installation Quantity: 3
Footnotes: ⁽²⁾ Forty (40) Prior year GAS-1 funded kits under SPAWAR PMW/A-170 OSIP (71-88). PMW/A-170 funding for P-3 GAS-1 installations ended in FY-11.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 3 / ASUW IMPROV. PROG.(OSIP 029-94)

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>	1,473.684	5.925	-	-	-	-	-	-	-	-	-	1,479.609
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,473.684	5.925	-	-	-	-	-	-	-	-	-	1,479.609
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,473.684	5.925	-	-	-	-	-	-	-	-	-	1,479.609
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Navy's Maritime Patrol and Reconnaissance Force (primarily P-3C Orion aircraft) provides three deliverables to Navy and joint commanders worldwide: Undersea warfare; Intelligence Surveillance, and Reconnaissance; and Maritime Surveillance Targeting. The Anti-Surface Warfare (ASuW) Improvement Program meets the Navy's requirement to rapidly provide a significant increase in the current P-3's ability to perform Anti-Submarine Warfare (ASW), ASuW, Over-the-Horizon Targeting, and Command, Control, Communications, Computers, and Intelligence (C4I). The target aircraft for this modification are P-3C Update II/II.5 and Update III. This modification focuses on improving the weapon system's capability for standoff targeting and classification. Significant sensor improvements and capabilities are provided by the APS-137D (V) 5 imaging radar, the Advanced Imaging Multi-Spectral Sensor (AIMS) electro optical/infrared system, and Electronic Support Measures(ESM) upgrades that include Specific Emitter Identification (SEI), SEI Utility Improvement, ALR-95, improved pulse processing, and Direction Finder accuracy. C4I is improved with a Demand Assigned Multiple Access (DAMA) Satcom radio suite and Multi-mission Advanced Tactical Terminal (MATT) that can receive the Officer in Tactical Command Information Exchange System, and other fleet broadcasts. Additional planned Phased Capability Upgrade (PCU) improvements include the Maritime Surveillance Targeting (MST) capability as well as Tactical Common Data Link (TCDL). Survivability enhancements include the ALE-47/AAR-47 missile warning countermeasures, explosive suppressant foam, and small circular area of probability weapon system (Maverick, Standoff Land Attack Missile (SLAM), SLAM-Expanded Response, and provisions to carry and launch all Mil Std 1760 Digital weapons. The P3 AIP operational requirement document (ORD) is Ser # 355-88-94. Future Engineering Change Proposals (ECPs) are anticipated for the existing systems including APS-137 radar; AIMS Electro-Optical/Infrared; MATT; Link 16; Global Communication & Control System - Maritime (GCCS-M); Precision Targeting Workstation (PTW); OASIS; Video Distribution Controller; Tactical Mission Computer; ALR-95 ESM; DAMA Satcom; MST; TC DL; Records including the High Resolution Digital Recorder; ALE47/AAR47; Digital Stores Management System (DSMS); all weapon systems including missiles, torpedoes, mines, as well as acoustic system upgrades. The ASW Maritime Improvement Program (AMIP) will provide for Mission System Sustainment, ASW improvements and improved C4I systems including International Marine/Maritime Surveillance/Integrated Tactical Picture(ITP), and High Frequency Internet Protocol (HFIP), FY11 Overseas Contingency Operations (OCO) provided funds for Full Motion Video (FMV) Metadata.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

This modification makes maximum use of previously developed subsystems.

Notes:

1. The cost of "A" and "B" kits for all kits (except TC DL) not separately priced.
2. Install unit cost dependent on number of installs accomplished by Government and Contractor install teams.
3. Two HF-IP Kits are to be installed in trainers and one in the Program Hardware Integration Center.
4. Full Motion Video (FMV) Metadata kits are "O" level installs with no associated cost, therefore, no installation schedule is provided.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 3 / ASUW IMPROV. PROG.(OSIP 029-94)

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 3 / ASUW IMPROV. PROG.(OSIP 029-94)					
Models of Systems Affected: P-3C				Modification Type: Operational Improvement				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: ASUW IMPROV. PROG. (OSIP 029-94)													
A Kits													
Recurring													
1.1.1) Prior Year Kits - Organic	115 / 385.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	115 / 385.545	
Subtotal: Recurring	- / 385.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 385.545	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 42.079	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 42.079	
Subtotal: Non-Recurring	- / 42.079	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 42.079	
B Kits													
Recurring													
2.1.1) C4 FOR ASW LINK-16 - NonOrganic	55 / 32.932	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 32.932	
2.1.2) HF-IP - NonOrganic	55 / 4.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 4.850	
2.1.3) Prior Year Archive - Organic	- / 529.872	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 529.872	
Subtotal: Recurring	- / 567.654	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 567.654	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic	- / 102.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 102.080	
Subtotal: Non-Recurring	- / 102.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 102.080	
Subtotal: ASUW IMPROV. PROG.(OSIP 029-94)	225 / 1,097.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	225 / 1,097.358	
Subtotal: Procurement, All Modification Items	- / 1,097.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,097.358	
Support (All Modification Items)													
3.1) ECO	- / 37.376	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.376	
3.2) Data	- / 18.403	- / 0.581	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.984	
3.3) Training Equipment	- / 85.718	- / 0.401	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 86.119	
3.4) Support Equipment	- / 14.467	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.467	
3.5) ILS	- / 17.717	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.917	
3.6) ILS (FMV OCO)	- / 0.263	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.263	
3.7) Other Support	- / 189.489	- / 2.638	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 192.127	
3.8) Other Support (FMV OCO)	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 363.733	- / 3.820	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 367.553	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series						Modification Number / Title: 3 / ASUW IMPROV. PROG.(OSIP 029-94)			
Models of Systems Affected: P-3C				Modification Type: Operational Improvement						Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Installation													
<i>Modification Item 1 of 1:</i> ASUW IMPROV. PROG.(OSIP 029-94)	- / 12.593	- / 2.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.698	
<i>Subtotal: Installation</i>	- / 12.593	- / 2.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.698	
Total													
Total Cost (Procurement + Support + Installation)	1,473.684	5.925	-	-	-	-	-	-	-	-	-	1,479.609	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 3 / ASUW IMPROV. PROG.(OSIP 029-94)

Modification Item 1 of 1: ASUW IMPROV. PROG.(OSIP 029-94)

Manufacturer Information

Manufacturer Name: TBD- AIP C4 for ASW ⁽³⁾				Manufacturer Location: Various			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 9			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Manufacturer Name: TBD - AIP HF-IP ⁽⁴⁾				Manufacturer Location: Various			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months): 11			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: C4 FOR ASW LINK-16

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	47 / 7.758	8 / 1.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 9.063
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	47 / 7.758	8 / 1.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 9.063

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 3 / ASUW IMPROV. PROG.(OSIP 029-94)

Modification Item 1 of 1: ASUW IMPROV. PROG.(OSIP 029-94)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: C4 FOR ASW LINK-16

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	47	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
Out	43	4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

Method of Implementation: Contractor Field Mod Team:: Installation Name: HF-IP

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	47 / 4.835	8 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 5.635
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	47 / 4.835	8 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 5.635

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	47	-	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55		
Out	44	3	-	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55		

Method of Implementation (Organic): Not Installed - Prior Year Kits

Installation Quantity: 115

Footnotes:

⁽³⁾ FY08 Kits Procured With Congressional Add; Install unit cost dependent on number of installs accomplished by Government and Contractor install teams.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 3 / ASUW IMPROV. PROG.(OSIP 029-94)

(4) Two kits are to be installed in trainers and one in the PHIC

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 4 / CNS-ATM(OSIP 013-01)

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>	213.127	1.176	-	-	-	-	-	-	-	-	-	214.303
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	213.127	1.176	-	-	-	-	-	-	-	-	-	214.303
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	213.127	1.176	-	-	-	-	-	-	-	-	-	214.303
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

P-3C aircraft have a requirement for a Communications, Navigation and Surveillance/ Air Traffic Management (CNS/ATM) upgrades to meet expanding CNS/ATM requirements and ensure global access to commercial airspace. The CNS/ATM requirements consist of various avionics systems upgrades/replacements which currently include; Very High Frequency Radio(VHF) radio with 8.33 kHz channel spacing, Identification, Friend or Foe (IFF) (Mode S and Mode 5), protected Instrumented Landing System(ILS)/Very High Frequency Omni Directional Range with Frequency Modulation Immunity, and an upgraded Global Positioning System (GPS) to provide increased navigation accuracy (Required Navigation Performance,Basic Area Navigation Standards, Reduced Vertical Separation Minimums) with the capability to be upgraded to meet Automatic Dependent Surveillance Broadcast, Next Generation Communications, Joint Precision Approach and Landing System, Precision Area Navigation, Navigation Warfare and Joint Tactical Radio System requirements . Successful integration of any or all of these capabilities, and any future Federal Aviation Administration or International Civil Aviation Organization mandates, requires an Flight Management System (FMS) which provides for growth and interface flexibility. This modification program provides CNS/ATM upgrades for 125 P-3C aircraft and 12 EP-3 aircraft. Radar Navigation (RNAV)/MODE S Kit [Jacksonville (JAX) Engineering Change Proposal (ECP) P3-828] includes FMS/CDU 7000, Digital Air Data Computer, APX-118 (IFF/MODE S) and Replacement Inertial Navigational Unit(RINU-G). EFDS (JAX ECP P3-491), Multi-Mode Receiver (JAX ECP P3-826 & ARC-210 (8.33KHz) (Jax ECP P3-827) are Stand-Alone ECPs that will be installed separately or in conjunction with RNAV/Mode S ECP. Joint Mission Planning System (JMPS) Unique Planning Component (UPC) is required to replace the flight and mission planning elements (Flight Planning, Anti-Submarine Warfare Mission Planning, Standoff Land Attack Missile-Expanded Response planning) that presently reside in Tactical Aviation Mission Planning System, which will be replaced by JMPS. The JMPS UPC will reside on laptop computers to be procured for 97 aircraft (72 AIP/25 BMUP). There is no kit or install associated with this effort.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Acquisition Strategy approved 21 November 03/Aquisition Category IVM. Preliminary Design Review for RNAV Mode S completed 16 June 04. Began transition of ARC-210 (8.33kHz) Radio and MLR-2020 (P-ILS) from Roll-On/Roll-Off to permanent installation in FY-05 (PMA-209 funded). Milestone C/ Full Rate Production approved on 23 August 2006.

Notes:

1. RNAV Mode-S Installs include trainers.
2. EFDS Installs include trainers.
3. \$66.3M of TCAS budgeted in FY13 was originally an OCO funded request. The funding request fully funds the effort through installation. Based on the nature of this request, the effort is still fully funded in FY13 baseline with installations and support through FY15.
4. Final EFDS A_Kit and B-Kit Quantities reduced due to planned A/C retirements.
5. Final RNAV Mode S A-Kit Quantity reduced due to planned A/C retirements. Final Quantity of 139 equals 121 active P-3Cs, 16 EP-3 and 2 P-3Cs that received RNAV Mode S that have or will be struck.
6. Final B-Kit Quantities for Digital ADC and FMS/CDU-7000 reduced due to planned A/C retirements.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 4 / CNS-ATM(OSIP 013-01)

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series					Modification Number / Title: 4 / CNS-ATM(OSIP 013-01)				
Models of Systems Affected: P-3C/EP-3				Modification Type: Operational Improvement/Safety				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: CNS-ATM(OSIP 013-01)													
A Kits													
Recurring													
1.1.1) RNAV/MODE S - NonOrganic ⁽⁵⁾	130 / 13.119	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 13.119	
1.1.2) ARC-210 VHF Radios - NonOrganic ⁽⁶⁾	44 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / -	
1.1.3) Prior Year Archive - Organic	- / 24.354	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.354	
Subtotal: Recurring	- / 37.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.473	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 11.843	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.843	
Subtotal: Non-Recurring	- / 11.843	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.843	
B Kits													
Recurring													
2.1.1) TCAS - NonOrganic	48 / 10.502	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 10.502	
2.1.2) Prior Year Archive - Organic	- / 49.959	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 49.959	
Subtotal: Recurring	- / 60.461	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 60.461	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 17.198	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.198	
Subtotal: Non-Recurring	- / 17.198	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.198	
Subtotal: CNS-ATM(OSIP 013-01)	222 / 126.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	222 / 126.975	
Subtotal: Procurement, All Modification Items	- / 126.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 126.975	
Support (All Modification Items)													
3.1) ECO	- / 2.724	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.874	
3.2) Data	- / 5.265	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.265	
3.3) Training Equipment	22 / 3.631	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 3.631	
3.4) Support Equipment	- / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.055	
3.5) ILS	- / 6.017	- / 0.056	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.073	
3.6) Other Support	- / 33.948	- / 0.269	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.217	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 51.640	- / 0.475	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 52.115	
Installation													
Modification Item 1 of 1: CNS-ATM(OSIP 013-01)	- / 34.512	- / 0.701	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.213	
Subtotal: Installation	- / 34.512	- / 0.701	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 35.213	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series						Modification Number / Title: 4 / CNS-ATM(OSIP 013-01)			
Models of Systems Affected: P-3C/EP-3				Modification Type: Operational Improvement/Safety				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Total													
Total Cost (Procurement + Support + Installation)	213.127	1.176	-	-	-	-	-	-	-	-	-	214.303	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0538 / P-3 Series										Modification Number / Title: 4 / CNS-ATM(OSIP 013-01)																
Modification Item 1 of 1: CNS-ATM(OSIP 013-01)																															
Manufacturer Information																															
Manufacturer Name: TBD - CNS - RNAV MODE S ⁽⁷⁾												Manufacturer Location: TBD																			
Administrative Leadtime (in Months): 3												Production Leadtime (in Months): 10																			
Dates	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020						
Contract Dates																															
Delivery Dates																															
Manufacturer Name: TBD - ARC-210												Manufacturer Location: TBD																			
Administrative Leadtime (in Months): 0												Production Leadtime (in Months): 4																			
Dates	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020						
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: RNAV/MODE S																															
Installation Cost		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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		128 / 21.050	2 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 21.350																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		128 / 21.050	2 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 21.350																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	128	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130
Out	126	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0538 / P-3 Series					Modification Number / Title: 4 / CNS-ATM(OSIP 013-01)									

Modification Item 1 of 1: CNS-ATM(OSIP 013-01)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: ARC-210 VHF Radios

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	27 / 1.284	17 / 0.401	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 1.685
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	27 / 1.284	17 / 0.401	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 1.685

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	27	6	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
Out	19	8	6	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44

Method of Implementation: Contractor Field Mod Team:: Installation Name: TCAS

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 12.178	48 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 12.178
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 12.178	48 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 12.178

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Exhibit P-3a, Individual Modification: PB 2016 Navy																				Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0538 / P-3 Series										Modification Number / Title: 4 / CNS-ATM(OSIP 013-01)											
Modification Item 1 of 1: CNS-ATM(OSIP 013-01)																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: TCAS																															
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	-	4	14	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	
Out	-	-	4	14	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	

Footnotes:

⁽⁵⁾ Final RNAV Mode S Quantity reduced due to planned A/C retirements.

⁽⁶⁾ ARC-210 Kits were procured by PMA-209.

⁽⁷⁾ Installs include trainers. Final RNAV Mode S quantity reduced to planned A/C retirements. Final quantity of 138 equals 120 active P-3Cs, 16 EP-3 and 2 P-3Cs that received RNAV Mode S that have or will be struck.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 5 / SSI-K(OSIP 005-05)

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>)	1,373.766	21.464	0.500	-	-	-	-	-	-	-	-	1,395.730
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,373.766	21.464	0.500	-	-	-	-	-	-	-	-	1,395.730
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,373.766	21.464	0.500	-	-	-	-	-	-	-	-	1,395.730

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

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

Description:

The Special Structural Inspection - Kits(SSi-K) Program is an Operational Safety Improvement Program that will capture the P-3/EP-3 aircraft's test demonstrated fatigue life by replacing airframe structural components in fatigue life limiting critical regions of the P-3/EP-3 aircraft to enable the airframe to fully reach its designed service life but will not extend the fatigue life of those aircraft. Unchecked, these problem areas collectively will result in significant loss of aircraft from the operational inventory due to operational and support funding limitations. SSI-K will manufacture and install a structural mod / replacement kit for P-3 outer wing, center box and other components. Aircraft that have received an Enhanced Special Structural Inspection require only the Center Box subset of an SSI-K. These Center Box subset install kits are shown separately.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Program is in full rate production.

Notes:

1. No Install Costs associated with Rotable Pool Outer Wing Kits.
2. EP SSI-K Kits have been included in SSI-K Kit Line and Zone 5 Mitigation Kit Line.
3. 12 SSI-K Installs and Zone 5 Installs are for EP-3 aircraft
4. FY15 Other Support Costs required to support completion of long lead time installations.
5. Remaining SSI-K Kit was transferred and installed by NASA

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 5 / SSI-K(OSIP 005-05)					
Models of Systems Affected: All P-3 T/M/S			Modification Type: Sustainment					Related RDT&E PEs: 0604221N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: SSI-K(OSIP 005-05)													
A Kits													
Recurring													
1.1.1) Zone 5 Mitigation Kit - NonOrganic	30 / 13.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 13.280	
1.1.2) Outer Wing Replacement Kit - NonOrganic	12 / 150.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 150.004	
1.1.3) Supplemental OW Replacement Kit - NonOrganic	17 / 210.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 210.333	
1.1.4) Prior Year Archive - Organic	- / 683.869	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 683.869	
Subtotal: Recurring	- / 1,057.486	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,057.486	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 9.708	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.708	
Subtotal: Non-Recurring	- / 9.708	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.708	
Subtotal: SSI-K(OSIP 005-05)	59 / 1,067.194	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 1,067.194	
Subtotal: Procurement, All Modification Items	- / 1,067.194	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,067.194	
Support (All Modification Items)													
3.1) ECO	- / 0.375	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.375	
3.2) Data	- / 2.198	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.198	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 27.768	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.768	
3.5) ILS	- / 9.724	- / 2.375	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.099	
3.6) Other Support	- / 91.510	- / 3.583	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 95.593	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 131.575	- / 5.958	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 138.033	
Installation													
Modification Item 1 of 1: SSI-K(OSIP 005-05)	- / 174.997	- / 15.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 190.503	
Subtotal: Installation	- / 174.997	- / 15.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 190.503	
Total													
Total Cost (Procurement + Support + Installation)	1,373.766	21.464	0.500	-	-	-	-	-	-	-	-	1,395.730	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0538 / P-3 Series										Modification Number / Title: 5 / SSI-K(OSIP 005-05)											
Modification Item 1 of 1: SSI-K(OSIP 005-05)																															
Manufacturer Information																															
Manufacturer Name: Various - SSIK Outer Wing Replacement Kits														Manufacturer Location: TBD																	
Administrative Leadtime (in Months): 0														Production Leadtime (in Months): 0																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Manufacturer Name: Various - SSIK Zone 5 Mitigation Kits														Manufacturer Location: TBD																	
Administrative Leadtime (in Months): 0														Production Leadtime (in Months): 0																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: Zone 5 Mitigation Kits																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		29 / 96.896	1 / 3.873	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 100.769																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		29 / 96.896	1 / 3.873	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 100.769																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	29	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
Out	27	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 5 / SSI-K(OSIP 005-05)

Modification Item 1 of 1: SSI-K(OSIP 005-05)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Outer Wing Replacement Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	24 / 78.101	5 / 11.633	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 89.734
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 78.101	5 / 11.633	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 89.734

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	24	-	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
Out	21	1	2	-	-	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 6 / PROJECT K-0416(OSIP 005-07)

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>	15.666	2.164	-	-	-	-	-	-	-	-	-	17.830
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	15.666	2.164	-	-	-	-	-	-	-	-	-	17.830
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	15.666	2.164	-	-	-	-	-	-	-	-	-	17.830
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Chief of Naval Operations (CNO) Project K-0416 program provides a rapid response Anti-Submarine Warfare intelligence collection, analysis, and reporting system program focused on operational plan specific threat submarines, both conventional and nuclear.

CNO K-0416 mission is to place high quality calibrated data on tape for subsequent exploitation and analysis. It is essential for submarine prosecution in deep and littoral water conditions in support of the Sea Shield/Sea Power 21. The program accomplishes this by introducing advanced collection avionics that operate with special calibrated sensors to provide threat target data for tactical, Science and Technology (S&T), and weapon design uses. The Sound Pressure Level Collection Suite that is installed on the P-3's contains several Weapons Replaceable Assembly, both fabricated & procured. The Suite includes a Bathythermograph(BT) Recorder and other pieces of Avionics.

CNO K-0416 will modify P-3 Platforms, forward sited laboratories, and select forward deployed sites with these collection avionics to provide tactical and S&T Intelligence. Prime performer is the Naval Air Warfare Center (NAWC), Patuxent River. NAWC performs system integration, material acquisition, fabrication, and installation of collection systems.

CNO project K-0416 transferred to Operational, Safety, and Improvement Program 002-15 (P-8A BLI 0586) commencing in FY15.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 6 / PROJECT K-0416(OSIP 005-07)					
Models of Systems Affected: P-3C				Modification Type: Operational Improvement				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: PROJECT K-0416(OSIP 005-07)													
A Kits													
Recurring													
1.1.1) BT Tape Recorders - Organic	46 / 4.265	6 / 0.649	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 4.914	
Subtotal: Recurring	- / 4.265	- / 0.649	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.914	
Non-Recurring													
1.2.1) Installation Kit N/R - Organic	- / 0.692	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.792	
Subtotal: Non-Recurring	- / 0.692	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.792	
B Kits													
Recurring													
2.1.1) BT Tape Recorders - NonOrganic	46 / 6.397	6 / 0.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 7.372	
Subtotal: Recurring	- / 6.397	- / 0.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.372	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.470	- / 0.038	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.508	
Subtotal: Non-Recurring	- / 0.470	- / 0.038	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.508	
Subtotal: PROJECT K-0416(OSIP 005-07)	92 / 11.824	12 / 1.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	104 / 13.586	
Subtotal: Procurement, All Modification Items	- / 11.824	- / 1.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.586	
Support (All Modification Items)													
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 1.057	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.157	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 1.011	- / 0.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.103	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 2.068	- / 0.192	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.260	
Installation													
Modification Item 1 of 1: PROJECT K-0416(OSIP 005-07)	- / 1.774	- / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.984	
Subtotal: Installation	- / 1.774	- / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.984	
Total													

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0538 / P-3 Series										Modification Number / Title: 6 / PROJECT K-0416(OSIP 005-07)														
Modification Item 1 of 1: PROJECT K-0416(OSIP 005-07)																																		
Manufacturer Information																																		
Manufacturer Name: TBD - K0416 BT Recorders															Manufacturer Location: Various																			
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 4																			
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020								
Contract Dates		Nov 2013																																
Delivery Dates		Mar 2014																																
Installation Information																																		
Method of Implementation: Depot Mod Team:: Installation Name: BT Tape Recorders																																		
Installation Cost		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																					
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																					
Prior Years		46 / 1.774	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 1.774																					
FY 2014		- / -	6 / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.210																					
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
Total		46 / 1.774	6 / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 1.984																					
Installation Schedule																																		
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
In	46	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52			
Out	46	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52			
Method of Implementation (Organic): Not Installed - BT Tape Recorders																														Installation Quantity: 52				

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 7 / P-3 MISSION SYSTEMS(OSIP 006-08)

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>	41.558	1.929	2.323	3.067	-	3.067	2.980	3.045	3.146	3.207	-	61.255
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	41.558	1.929	2.323	3.067	-	3.067	2.980	3.045	3.146	3.207	-	61.255
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	41.558	1.929	2.323	3.067	-	3.067	2.980	3.045	3.146	3.207	-	61.255
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Navy's Maritime Patrol and Reconnaissance Force (primarily P-3C Orion aircraft) provides three deliverables to Navy and Joint commanders worldwide: Undersea warfare; Intelligence Surveillance, and Reconnaissance; and Maritime Surveillance Targeting. The P-3C Mission Systems Sustainment program will ensure that the P-3C aircraft continues to meet the Navy's requirement to perform Anti-Submarine Warfare (ASW), Anti-Surface Warfare (ASUW), Over-the-Horizon Targeting (OTH-T), and Command, Control, Communications, Computers, and Intelligence (C4I) until Full Operational Capability (FOC) of Multi-Mission Maritime Aircraft(MMA) is achieved (2019). Sustaining the sensor capabilities provided by the APS-137D (V) 5 imaging radar, the Advanced Imaging Multi-Spectral Sensor (AIMS) electro optical/ infrared(EO/IR) system, ALR 95 Electronic Support Measures(ESM), Tactical Common Data Link (TCDL), small circular area of probability weapon system (Maverick, Standoff Land Attack Missile(SLAM), SLAM-Extended Range, provisions to carry and launch all Mil Std 1760 Digital weapons with Digital Stores Management System(DSMS), Block Modification Upgrade Program(BMUP) Sustainment, Fleet Response, P-3 Obsolescence Upgrades, ALE-47/AAR-47 missile warning countermeasures due to obsolescence is essential in order to maintain these vital capabilities. Additional systems and capabilities may be required in order to remain effective in the Sea Power 21 Construct. These systems include: MATT, APS-137 radar; Acoustic systems, AIMS EO/IR; Multi-Mission Advanced Tactical Terminal; Link 16; Global Communication & Control System - Maritime (GCCS-M); Integrated Tactical Picture (ITP); International Marine/Maritime Satellite; Precision Targeting Workstation (PTW); Over-the-Horizon Airborne Sensor Information System; Video Distribution Controller (VDC); Tactical Mission Computer(TMC); ALR-95 ESM; Demand Assigned Multiple Access(DAMA) Satcom; MST; TCDL; Recorders including the High Resolution Digital Recorder; ALE47/AAR47; Digital Stores Management System (DSMS), Advanced Data Storage System (ADSS); all weapon systems including missiles, torpedoes, mines, as well as acoustic system upgrades.

These improvements are a vital element of the P-3 sustainment bridge for mission aircraft, including Anti-surface Warfare Improvement Program(AIP) and BMUP, significantly enhancing the strategy of a smaller, more ready, more capable P-3 force during the bridge to MMA. P-3 C Mission Systems Sustainment is a branch of the ASW Maritime Improvement program (AMIP) to provide for obsolescence, technology refresh and technology insertion to P-3C mission systems.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

This modification makes maximum use of previously developed subsystems.

[ADSS w/OASIS Functionality (IP Replacement)] Final reduction to ADSS w/ OASIS Functionality due to A/C retirements.

[BMUP Sustainment Upgrades] Reduction in BMUP Sustainment Upgrades due to A/C retirements.

[P-3 Obsolescence Upgrades] Increase in P-3 Obsolescence upgrades due to addiitonal Obsolescence requirements.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0538 / P-3 Series	Modification Number / Title: 7 / P-3 MISSION SYSTEMS(OSIP 006-08)

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series					Modification Number / Title: 7 / P-3 MISSION SYSTEMS(OSIP 006-08)				
Models of Systems Affected: P-3C				Modification Type: Operational Improvement				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: P-3 MISSION SYSTEMS(OSIP 006-08)													
B Kits													
Recurring													
2.1.1) BMUP Tech Refresh/Insertion - Organic	- / -	- / -	1 / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.700	
2.1.2) ADSS w/OASIS Functionality (IP Replacement) - Organic	25 / 2.652	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 2.652	
2.1.3) Tactical Mission Computer - Organic	72 / 3.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 3.130	
2.1.4) Advanced Data Storage System - Organic	12 / 0.150	4 / 0.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.204	
2.1.5) BMUP Sustainment Upgrades - Organic ⁽⁸⁾	12 / 0.150	4 / 0.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.204	
2.1.6) Fleet Response - Organic	21 / 0.150	7 / 0.054	7 / 0.056	8 / 0.070	- / -	8 / 0.070	- / -	- / -	- / -	- / -	- / -	43 / 0.330	
2.1.7) P-3 Obsolescence Upgrades - Organic ⁽⁹⁾	119 / 5.470	14 / 0.859	7 / 0.056	- / 0.300	- / -	- / 0.300	- / 0.896	- / 0.719	- / 1.506	- / 1.570	- / -	140 / 11.376	
2.1.8) Mode 5/S Transponder (APX-123) - Organic	- / -	- / -	- / 0.275	- / 0.961	- / -	- / 0.961	- / 0.540	- / 0.681	- / -	- / -	- / -	- / 2.457	
Subtotal: Recurring	- / 11.702	- / 1.021	- / 1.087	- / 1.331	- / -	- / 1.331	- / 1.436	- / 1.400	- / 1.506	- / 1.570	- / -	- / 21.053	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 6.804	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.300	- / 0.300	- / 0.300	- / -	- / 8.104	
Subtotal: Non-Recurring	- / 6.804	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.300	- / 0.300	- / 0.300	- / -	- / 8.104	
Subtotal: P-3 MISSION SYSTEMS(OSIP 006-08)	261 / 18.506	29 / 1.021	15 / 1.087	8 / 1.531	- / -	8 / 1.531	- / 1.636	- / 1.700	- / 1.806	- / 1.870	- / -	313 / 29.157	
Subtotal: Procurement, All Modification Items	- / 18.506	- / 1.021	- / 1.087	- / 1.531	- / -	- / 1.531	- / 1.636	- / 1.700	- / 1.806	- / 1.870	- / -	- / 29.157	
Support (All Modification Items)													
3.1) ECO	- / 4.792	- / 0.319	- / 0.434	- / 0.300	- / -	- / 0.300	- / 0.300	- / 0.351	- / 0.346	- / 0.344	- / -	- / 7.186	
3.2) Data	- / 0.364	- / -	- / 0.050	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.914	
3.3) Training Equipment	- / 1.169	- / -	- / 0.050	- / 0.147	- / -	- / 0.147	- / -	- / -	- / -	- / -	- / -	- / 1.366	
3.4) Support Equipment	- / 0.357	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.357	
3.5) ILS	- / 0.351	- / 0.021	- / 0.050	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 0.922	
3.6) Other Support	- / 16.019	- / 0.568	- / 0.652	- / 0.889	- / -	- / 0.889	- / 0.844	- / 0.794	- / 0.794	- / 0.793	- / -	- / 21.353	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 23.052	- / 0.908	- / 1.236	- / 1.536	- / -	- / 1.536	- / 1.344	- / 1.345	- / 1.340	- / 1.337	- / -	- / 32.098	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0538 / P-3 Series						Modification Number / Title: 7 / P-3 MISSION SYSTEMS(OSIP 006-08)			
Models of Systems Affected: P-3C			Modification Type: Operational Improvement					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	41.558	1.929	2.323	3.067	-	3.067	2.980	3.045	3.146	3.207	-	61.255

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0538 / P-3 Series			Modification Number / Title: 7 / P-3 MISSION SYSTEMS(OSIP 006-08)	
Modification Item 1 of 1: P-3 MISSION SYSTEMS(OSIP 006-08)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - BMUP Tech Refresh/Insertion					Installation Quantity: 1		
Method of Implementation (Organic): Not Installed - ADSS w/OASIS Functionality (IP Replacement)					Installation Quantity: 25		
Method of Implementation (Organic): Not Installed - Tactical Mission Computer					Installation Quantity: 72		
Method of Implementation (Organic): Not Installed - Advanced Data Storage System					Installation Quantity: 16		
Method of Implementation (Organic): Not Installed - BMUP Sustainment Upgrades					Installation Quantity: 16		
Method of Implementation (Organic): Not Installed - Fleet Response					Installation Quantity: 43		
Method of Implementation (Organic): Not Installed - P-3 Obsolescence Upgrades					Installation Quantity: 140		
Footnotes: ⁽⁸⁾ Reduction in BMUP Sustainment Upgrades due to A/C retirements. ⁽⁹⁾ Increase in P-3 Obsolescence upgrades due to additional Obsolescence requirements.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series						Modification Number / Title: 8 / Inactive OSIPs		
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)	357.473	-	-	-	-	-	-	-	-	-	-	357.473
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	357.473	-	-	-	-	-	-	-	-	-	-	357.473
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	357.473	-	-	-	-	-	-	-	-	-	-	357.473
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0538 / P-3 Series				Modification Number / Title: 8 / Inactive OSIPs					
Models of Systems Affected:			Modification Type:					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Inactive OSIPs													
B Kits													
Non-Recurring													
2.2.1) Inactive OSIPs - Organic	- / 357.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 357.473	
Subtotal: Non-Recurring	- / 357.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 357.473	
Subtotal: Inactive OSIPs	- / 357.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 357.473	
Subtotal: Procurement, All Modification Items	- / 357.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 357.473	
Support (All Modification Items)													
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	357.473	-	-	-	-	-	-	-	-	-	-	357.473	

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0538 / P-3 Series			Modification Number / Title: 8 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install						Installation Quantity: 0	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0544 / E-2 Series					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 000		Item MDAP/MAIS Code(s):										
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>)	1,402.450	26.098	21.208	20.741	-	20.741	27.214	88.791	85.386	85.979	362.482	2,120.349
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,402.450	26.098	21.208	20.741	-	20.741	27.214	88.791	85.386	85.979	362.482	2,120.349
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,402.450	26.098	21.208	20.741	-	20.741	27.214	88.791	85.386	85.979	362.482	2,120.349
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to the E-2 aircraft. The E-2 is an all weather, carrier based, airborne early warning and command and control aircraft that extends task force defense perimeters by providing early warning of approaching enemy units and by vectoring interceptors into attack position. Additionally, the HAWKEYE provides strike control, radar surveillance, search and rescue assistance, communications relay and automatic tactical data exchange. The E-2 aircraft design service life is 10,000 flight hours with an average service life remaining through FY2020. As the result of technological advancements, the Commercial-Off-The-Shelf (COTS) hardware/software of the Mission Computer (MCU) will change or become obsolete in the very near future. The Technology Insertion Operational, Safety and Improvement Program (OSIP) (5-01) supports assembly, validation and configuration management of COTS hardware and software of the MCU. The Critical Avionics OSIP (12-10) funds the obsolescence and hazard mitigation efforts for all primary and secondary sensors, communication media and basic navigation aids. The Radar Improvement program OSIP (5-11) supports portions of it's APS-145 Radar architecture dated from the 1960s and serious obsolescence issues are expected to disrupt normal operations if left unmitigated. The Dual Transmit Satellite Communications OSIP (8-14), provides the E-2 with an additional Satellite Communications radio satisfying a capability gap that is identified in Operation Enduring Freedom. The MODE 5/S OSIP (9-14) replaces the National Security Administration (NSA) de-certified Mode 4 Identification Friend or Foe (IFF) capability, which is no longer effective or suitable for modern military operations. Mode 5/S will support the Joint Initial Operational Capability as defined by the Joint Requirements Oversight Council. The E-2D Avionics OSIP (11-14) will fund the ARC-210 Gen 5 upgrades required to remain compliant with NSA Directives. Mode 5/S replaces de-certified Mode 4 and civilian Mark XII IFF allowing the E-2D to operate worldwide with modern civilian and military air traffic management systems as required by the Chief of Naval Operations Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM) mandate. The E-2D Aircraft Airframe Change Directives (ACDs) OSIP (5-15), will retrofit Initial Operational Test and Evaluation (IOT&E) ACDs and Engineering Change Proposals (ECPs) into the E-2D Low Rate Production (LRIP) aircraft. The E-2D Integrated Broadcast Service-Universal Serial Bus-Embedded National Tactical Receiver (IBS-USB-ENTR) OSIP (8-17), will procure and install kits to provide the E-2D with the capability to receive IBS intelligence data from national assets for real-time, emergent threat or Combat ID data, compressing tactical engagement timeline for both Naval Integrated Fire Control - Counter Air (NIFC-CA) kill chains. The E-2D AIS OSIP (9-16), will provide enhanced maritime target Combat ID capability in support of Battlefield Management, Command and Control (BMC2) and Surface Warfare (SUW) mission capability. The LINK-16 OSIP (1-17), will address E-2C flight and mission critical avionics obsolescence and fact-of-life sustainment issues required to maintain current operational capabilities. The E-2D Multifunctional Information Distribution System/Joint Tactical Radio System and Tactical Targeting Network Targeting OSIP (1-18) wave form will integrate the current E-2D Link-16 data link architecture with a time-sensitive targeting technology. The E-2D Aerial Refueling (AR) OSIP (2-18), will allow the E-2 to receive fuel from various organic and non-organic tanker aircraft. It will provide Expanded Battle Space Surveillance and Targeting through significantly enhanced persistence and increased flexibility (range & endurance). The E-2D Secret Internet Protocol Router Chat OSIP (3-18), will support the integration of current collaboration tools including tactical "chat" (text) communications, real-time tasking, and Air Tasking Order distribution. Recent real world operations have demonstrated a migration of Command and Control communications from voice to Internet protocol based networks. There is 53 E-2C's and 14 E-2D's for a total of 67 E-2 aircraft.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft		P-1 Line Item Number / Title: 0544 / E-2 Series	
ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:	Other Related Program Elements:
Line Item MDAP/MAIS Code: 000	Item MDAP/MAIS Code(s):		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft				P-1 Line Item Number / Title: 0544 / E-2 Series				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Line Item MDAP/MAIS Code: 000		Item MDAP/MAIS Code(s):						
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)
1 / 005-01 Technology Insertion (Mission Performance Enhancement)	P-3a		- / 106.068	- / 10.830	- / 5.632	- / 5.630	- / -	- / 5.630
2 / 012-10 Critical Avionics (Mission Performance Enhancements)	P-3a		- / 65.737	- / 6.077	- / -	- / -	- / -	- / -
3 / 005-11 Radar Improvement Program (Mission Performance Enhancements)	P-3a		- / 10.231	- / 3.050	- / 2.800	- / 0.464	- / -	- / 0.464
4 / 008-14 Dual Transmit SATCOM (Mission Performance Enhancements)	P-3a		- / 0.000	- / -	- / 2.744	- / 6.521	- / -	- / 6.521
5 / 009-14 MODE 5/S (Mission Performance Enhancements)	P-3a		- / 0.000	- / 4.415	- / 3.458	- / 3.348	- / -	- / 3.348
6 / 011-14 E-2D Avionics (Mission Performance Enhancements)	P-3a		- / 0.000	- / 1.726	- / 5.784	- / 1.900	- / -	- / 1.900
7 / 005-15 E-2D Aircraft ACD's (Mission Performance Enhancements)	P-3a		- / 0.000	- / -	- / 0.790	- / 1.540	- / -	- / 1.540
10 / 008-17 E-2D IBS-USB-ENTR (Missions Performance Enhancements)	P-3a		- / 0.000	- / -	- / -	- / -	- / -	- / -
8 / 009-16 E-2D AIS (Mission Performance Enhancements)	P-3a		- / 0.000	- / -	- / -	- / 1.338	- / -	- / 1.338
9 / 001-17 LINK 16 (MIDS/JTIDS for E-2C) (Mission Performance Enhancements)	P-3a		- / 0.000	- / -	- / -	- / -	- / -	- / -
11 / 001-18 E-2D MIDS/JTRS TTNT (Mission Performance Enhancements)	P-3a		- / 0.000	- / -	- / -	- / -	- / -	- / -
12 / 002-18 E-2D Aerial Refueling (Mission Performance Enhancements)	P-3a		- / 0.000	- / -	- / -	- / -	- / -	- / -
13 / 003-18 E-2D SIPR CHAT (Mission Performance Enhancements)	P-3a		- / 0.000	- / -	- / -	- / -	- / -	- / -
14 / Inactive OSIPs ()	P-3a		- / 1,220.414	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 1,402.450	- / 26.098	- / 21.208	- / 20.741	- / -	- / 20.741
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / 005-01 Technology Insertion (Mission Performance Enhancement)	P-3a		- / 5.677	- / 5.797	- / 5.943	- / 6.055	- / 25.169	- / 176.801
2 / 012-10 Critical Avionics (Mission Performance Enhancements)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 71.814
3 / 005-11 Radar Improvement Program (Mission Performance Enhancements)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 16.545
4 / 008-14 Dual Transmit SATCOM (Mission Performance Enhancements)	P-3a		- / 7.390	- / 7.677	- / 1.180	- / -	- / -	- / 25.512
5 / 009-14 MODE 5/S (Mission Performance Enhancements)	P-3a		- / 2.503	- / -	- / -	- / -	- / -	- / 13.724
6 / 011-14 E-2D Avionics (Mission Performance Enhancements)	P-3a		- / 0.432	- / -	- / -	- / -	- / -	- / 9.842
7 / 005-15 E-2D Aircraft ACD's (Mission Performance Enhancements)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 2.330
10 / 008-17 E-2D IBS-USB-ENTR (Missions Performance Enhancements)	P-3a		- / 2.910	- / 7.198	- / 1.088	- / -	- / -	- / 11.196
8 / 009-16 E-2D AIS (Mission Performance Enhancements)	P-3a		- / 3.526	- / 0.964	- / -	- / -	- / -	- / 5.828
9 / 001-17 LINK 16 (MIDS/JTIDS for E-2C) (Mission Performance Enhancements)	P-3a		- / 4.776	- / 2.841	- / 0.863	- / -	- / -	- / 8.480
11 / 001-18 E-2D MIDS/JTRS TTNT (Mission Performance Enhancements)	P-3a		- / -	- / 19.127	- / 16.316	- / 16.713	- / 15.756	- / 67.912
12 / 002-18 E-2D Aerial Refueling (Mission Performance Enhancements)	P-3a		- / -	- / 36.155	- / 55.147	- / 58.514	- / 316.755	- / 466.571
13 / 003-18 E-2D SIPR CHAT (Mission Performance Enhancements)	P-3a		- / -	- / 9.032	- / 4.849	- / 4.697	- / 4.802	- / 23.380
14 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 1,220.414

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LI 0544 - E-2 Series
Navy

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 1 / 005-01 Technology Insertion				

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>	106.068	10.830	5.632	5.630	-	5.630	5.677	5.797	5.943	6.055	25.169	176.801
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	106.068	10.830	5.632	5.630	-	5.630	5.677	5.797	5.943	6.055	25.169	176.801
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	106.068	10.830	5.632	5.630	-	5.630	5.677	5.797	5.943	6.055	25.169	176.801
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Technology Insertion OSIP was established to address obsolescence of Commercial Off-The Shelf (COTS) software and hardware of E-2 computing resources. Commercial technology obsolescence drives hardware and software changes in Computing Resources for the E-2 Aircraft. Funding is required to support capability for assembly, validation, and configuration management of COTS hardware/software provided to fleet squadrons and updated on a 4-year technology cycle. Specific examples include video boards, memory boards, Computer Processing Units cards, compilers, middleware, backplanes, and operating systems that will change or become obsolete.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The E-2 Program Support Activity will insure software is upgraded, revised, and integrated so it functions with the versions of the COTS hardware and software delivered. The integration effort must start no less than one year prior to the delivery.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 1 / 005-01 Technology Insertion					
Models of Systems Affected: E-2C				Modification Type: Mission Performance Enhancement				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 005-01 Technology Insertion													
A Kits													
Recurring													
1.1.1) OCO Maritime Automatic Identification System - Organic	42 / 0.738	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 0.738	
Subtotal: Recurring	- / 0.738	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.738	
Non-Recurring													
1.2.1) OCO Maritime Automatic Identification System - Organic	- / 0.094	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.094	
Subtotal: Non-Recurring	- / 0.094	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.094	
Subtotal: 005-01 Technology Insertion	42 / 0.832	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 0.832	
Subtotal: Procurement, All Modification Items	- / 0.832	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.832	
Support (All Modification Items)													
3.1) Data	- / 0.827	- / -	- / 0.025	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.100	- / 1.077	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Software Upgrades	- / -	- / 4.301	- / 3.467	- / 3.369	- / -	- / 3.369	- / 3.279	- / 3.225	- / 3.206	- / 3.138	- / 16.573	- / 40.558	
3.4) Training Equipment	- / -	- / 4.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.500	
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) ILS	- / 6.391	- / 0.670	- / 0.672	- / 0.641	- / -	- / 0.641	- / 0.669	- / 0.701	- / 0.718	- / 0.738	- / 3.281	- / 14.481	
3.7) Other Support	- / 98.018	- / 1.359	- / 1.468	- / 1.595	- / -	- / 1.595	- / 1.704	- / 1.846	- / 1.994	- / 2.154	- / 5.215	- / 115.353	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 105.236	- / 10.830	- / 5.632	- / 5.630	- / -	- / 5.630	- / 5.677	- / 5.797	- / 5.943	- / 6.055	- / 25.169	- / 175.969	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	106.068	10.830	5.632	5.630	-	5.630	5.677	5.797	5.943	6.055	25.169	176.801	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0544 / E-2 Series			Modification Number / Title: 1 / 005-01 Technology Insertion		
Modification Item 1 of 1: 005-01 Technology Insertion							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - OCO Maritime Automatic Identification System					Installation Quantity: 42		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series						Modification Number / Title: 2 / 012-10 Critical Avionics		
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>)	65.737	6.077	-	-	-	-	-	-	-	-	-	71.814
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	65.737	6.077	-	-	-	-	-	-	-	-	-	71.814
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	65.737	6.077	-	-	-	-	-	-	-	-	-	71.814
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Critical Avionics addresses E-2 avionics obsolescence, reliability, functionality and hazard mitigation efforts for primary and secondary sensors, communication, and navigation systems. Improves the reliability and functionality of the current E-2 fixed wire High Frequency (HF) antenna which supports only a single radio and breaks often, creating safety and operational impacts by upgrading to an antenna suite which is more reliable, capable and provides multiple transmission paths on and off the aircraft. Addresses obsolescence and improves the reliability and functionality of the current HF radio set by upgrading to a more capable and reliable radio suite which includes automatic link establishment, secure data and voice capability and additional voice and data channels. Addresses obsolescence and improves the reliability and functionality of the current Satellite Communications receive system (MATT) radio by upgrading to a radio which can receive current and future broadcast waveforms, can communicate using current and future cryptographic algorithms and can be integrated with the E-2 weapons systems more effectively, reducing startup, load, and set up time and reducing operator workload and troubleshooting requirements. Addresses obsolescence and improves the reliability and functionality of the current Very/Ultra High Frequency radios by incorporating an improved ARC-210 radio which includes secure data and voice capability using current and future cryptographic algorithms and which includes a growth path to future applications such as Joint Precision Approach and Landing System. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: MATT Replacement USB Embedded National Tactical Receiver completed Tempest testing in February 2012. Flight testing began in March 2012 and completed May 2012. Procurement of kits began in FY10. HF Antenna Naval Supply Systems Command (NAVSUP) validation (with Legacy Radio) occurred in March 2012. HE2K validation (with AN/ARC-239 Selex Radio) September 2012. NAVSUP Verification October 2012. Procurement of kits began in FY11.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 2 / 012-10 Critical Avionics					
Models of Systems Affected: E-2C				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 012-10 Critical Avionics													
A Kits													
Recurring													
1.1.1) MATT REPLACEMENT - NonOrganic	28 / 4.111	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 4.111	
1.1.2) HF ANTENNA - NonOrganic	21 / 0.115	7 / 0.034	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.149	
1.1.3) HF RADIO - NonOrganic	28 / 4.289	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 4.289	
Subtotal: Recurring	- / 8.515	- / 0.034	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.549	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 7.811	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.811	
Subtotal: Non-Recurring	- / 7.811	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.811	
B Kits													
Recurring													
2.1.1) MATT REPLACEMENT - Organic	28 / 2.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 2.980	
2.1.2) HF RADIO - Organic	28 / 4.489	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 4.489	
2.1.3) ARC-210 - Organic	15 / 4.212	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 4.212	
Subtotal: Recurring	- / 11.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.681	
Subtotal: 012-10 Critical Avionics	148 / 28.007	7 / 0.034	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	155 / 28.041	
Subtotal: Procurement, All Modification Items	- / 28.007	- / 0.034	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.041	
Support (All Modification Items)													
3.1) DATA	- / 1.955	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.955	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) TRAINING EQUIP	5 / 7.119	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 7.119	
3.4) SUPPORT EQUIP	- / 0.284	- / 0.015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.299	
3.5) ILS	- / 2.558	- / 0.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.950	
3.6) OTHER SUPPORT ⁽¹⁾	- / 21.936	- / 4.606	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.542	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 33.852	- / 5.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 38.865	
Installation													
Modification Item 1 of 1: 012-10 Critical Avionics	- / 3.878	- / 1.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.908	
Subtotal: Installation	- / 3.878	- / 1.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.908	
Total													

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0544 / E-2 Series						Modification Number / Title: 2 / 012-10 Critical Avionics			
Models of Systems Affected: E-2C			Modification Type: Mission Performance Enhancements					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	65.737	6.077	-	-	-	-	-	-	-	-	-	71.814

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 2 / 012-10 Critical Avionics				
Modification Item 1 of 1: 012-10 Critical Avionics												
Manufacturer Information												
Manufacturer Name: MATT Replacement							Manufacturer Location: Depot Field Mod Team					
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 6					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates												
Delivery Dates												
Manufacturer Name: HF Antenna							Manufacturer Location: Depot Field Mod Team					
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 6					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Dec 2013											
Delivery Dates	Jun 2014											
Manufacturer Name: HF Radio							Manufacturer Location: Depot Field Mod Team					
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 6					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: Depot Field Mod Team:: Installation Name: MATT REPLACEMENT												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	17 / 0.850	11 / 0.673	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.523
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	17 / 0.850	11 / 0.673	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.523

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 2 / 012-10 Critical Avionics									

Modification Item 1 of 1: 012-10 Critical Avionics

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: MATT REPLACEMENT

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	17	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
Out	17	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28

Method of Implementation: Depot Field Mod Team:: Installation Name: HF ANTENNA

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	11 / 0.242	10 / 0.306	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.548
FY 2014	- / -	7 / 0.051	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.051
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	11 / 0.242	17 / 0.357	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.599

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	11	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
Out	11	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28		

Method of Implementation: Depot Field Mod Team:: Installation Name: HF RADIO

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	28 / 2.786	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 2.786
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0544 / E-2 Series			Modification Number / Title: 2 / 012-10 Critical Avionics

Modification Item 1 of 1: 012-10 Critical Avionics

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: HF RADIO

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	28 / 2.786	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 2.786

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
Out	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28

Method of Implementation (Organic): Not Installed - MATT REPLACEMENT

Installation Quantity: 28

Method of Implementation (Organic): Not Installed - HF RADIO

Installation Quantity: 28

Method of Implementation (Organic): Not Installed - ARC-210

Installation Quantity: 15

Footnotes:

⁽¹⁾ The cost growth in support is due to Critical Avionics being used for the Universal Serial Bus (USB) Embedded National Tactical Receiver (ENTR). National Security Agency has declared the keys inactive and the IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I), will become non-available and unsupported in 2015 on the current system. The new Common Interactive Broadcast (CIB) has been tested and is available in FY14. The Mission Computer Architecture was updated with a software update in FY14 to handle this new information that will require formal flight and ground testing.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 3 / 005-11 Radar Improvement Program

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>)	10.231	3.050	2.800	0.464	-	0.464	-	-	-	-	-	16.545
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	10.231	3.050	2.800	0.464	-	0.464	-	-	-	-	-	16.545
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	10.231	3.050	2.800	0.464	-	0.464	-	-	-	-	-	16.545

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

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

Description:

This funding will integrate and field improvements to the E-2C radar components that are expected to be unsupportable in the near term and are of a high failure rate. Such improvements will keep portions of the APS-145 radar viable until 2021, the expected retirement date of the Hawkeye 2000. This funding also supports necessary modifications within the APS-145 Radar Test Bench System.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Non-recurring Engineering was awarded on 16 June 2010. The Preliminary Design Review was completed 1ST QTR of FY11. The Critical Design Review was completed 3RD QTR of FY11. Flight Testing completed in FY-12.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 3 / 005-11 Radar Improvement Program					
Models of Systems Affected: E-2C				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 005-11 Radar Improvement Program													
B Kits													
Recurring													
2.1.1) WRA-9 - NonOrganic	20 / 1.735	12 / 0.983	11 / 0.973	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 3.691	
2.1.2) WRA-32 - NonOrganic	13 / 0.546	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.546	
Subtotal: Recurring	- / 2.281	- / 0.983	- / 0.973	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.237	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.586	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.586	
Subtotal: Non-Recurring	- / 0.586	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.586	
Subtotal: 005-11 Radar Improvement Program	33 / 2.867	12 / 0.983	11 / 0.973	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 4.823	
Subtotal: Procurement, All Modification Items	- / 2.867	- / 0.983	- / 0.973	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.823	
Support (All Modification Items)													
3.1) Data	- / -	- / -	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) New Cost Element	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) Support Equipment	15 / 3.235	- / 0.228	- / 0.142	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 3.605	
3.6) ILS	- / 2.296	- / 0.873	- / 1.154	- / 0.097	- / -	- / 0.097	- / -	- / -	- / -	- / -	- / -	- / 4.420	
3.7) Other Support	- / 1.620	- / 0.938	- / 0.452	- / 0.342	- / -	- / 0.342	- / -	- / -	- / -	- / -	- / -	- / 3.352	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 7.151	- / 2.039	- / 1.798	- / 0.439	- / -	- / 0.439	- / -	- / -	- / -	- / -	- / -	- / 11.427	
Installation													
Modification Item 1 of 1: 005-11 Radar Improvement Program	- / 0.213	- / 0.028	- / 0.029	- / 0.025	- / -	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / 0.295	
Subtotal: Installation	- / 0.213	- / 0.028	- / 0.029	- / 0.025	- / -	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / 0.295	
Total													
Total Cost (Procurement + Support + Installation)	10.231	3.050	2.800	0.464	-	0.464	-	-	-	-	-	16.545	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 3 / 005-11 Radar Improvement Program

Modification Item 1 of 1: 005-11 Radar Improvement Program

Manufacturer Information

Manufacturer Name: WRA-9	Manufacturer Location: Depot Field Modification Team
Administrative Leadtime (in Months): 9	Production Leadtime (in Months): 4

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jun 2014	Jun 2015					
Delivery Dates	Oct 2014	Oct 2015					

Installation Information

Method of Implementation: Depot Field Modification Team:: Installation Name: WRA-9

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	10 / 0.122	10 / 0.028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.150
FY 2014	- / -	- / -	12 / 0.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.029
FY 2015	- / -	- / -	- / -	11 / 0.025	- / -	11 / 0.025	- / -	- / -	- / -	- / -	- / -	11 / 0.025
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	10 / 0.122	10 / 0.028	12 / 0.029	11 / 0.025	- / -	11 / 0.025	- / -	- / -	- / -	- / -	- / -	43 / 0.204

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	10	5	5	-	-	6	6	-	-	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
Out	10	5	5	-	-	6	6	-	-	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43

Method of Implementation: Depot Field Modification Team:: Installation Name: WRA-32

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	13 / 0.091	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.091
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 3 / 005-11 Radar Improvement Program

Modification Item 1 of 1: 005-11 Radar Improvement Program

Installation Information

Method of Implementation: Depot Field Modification Team:: Installation Name: WRA-32

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	13 / 0.091	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.091

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Out	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 4 / 008-14 Dual Transmit SATCOM			
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>)	0.000	-	2.744	6.521	-	6.521	7.390	7.677	1.180	-	-	25.512
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	2.744	6.521	-	6.521	7.390	7.677	1.180	-	-	25.512
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	2.744	6.521	-	6.521	7.390	7.677	1.180	-	-	25.512
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This funding will integrate and field the Dual Transmit Satellite Communication (SATCOM) capability into the E-2D by modifying aircraft cabling/components and the rotodome antenna. This integration will allow the aircrew to simultaneously receive/transmit on two SATCOM channels, allowing use of two discrete command nets for voice and data.												
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Dual Transmit SATCOM system design and development began in FY09. Flight test began in FY13. Procurement of kits will begin in FY15. The procurement of 1 Dual SATCOM Kit in FY15 is required to support VX-1 Operational testing for DSSC 2 release in Feb 2016. This capability is critical to prevent severe communication gaps with the carrier strike group during missions in theatre.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 4 / 008-14 Dual Transmit SATCOM					
Models of Systems Affected: E-2D				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 008-14 Dual Transmit SATCOM													
A Kits													
Recurring													
1.1.1) E-2D Dual Transmit SATCOM - NonOrganic	- / -	- / -	1 / 1.189	5 / 5.930	- / -	5 / 5.930	5 / 6.031	5 / 6.145	- / -	- / -	- / -	16 / 19.295	
Subtotal: Recurring	- / 0.000	- / -	- / 1.189	- / 5.930	- / -	- / 5.930	- / 6.031	- / 6.145	- / -	- / -	- / -	- / 19.295	
Subtotal: 008-14 Dual Transmit SATCOM	- / -	- / -	1 / 1.189	5 / 5.930	- / -	5 / 5.930	5 / 6.031	5 / 6.145	- / -	- / -	- / -	16 / 19.295	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 1.189	- / 5.930	- / -	- / 5.930	- / 6.031	- / 6.145	- / -	- / -	- / -	- / 19.295	
Support (All Modification Items)													
3.1) ILS	- / -	- / -	- / 0.210	- / 0.228	- / -	- / 0.228	- / 0.226	- / 0.205	- / 0.178	- / -	- / -	- / 1.047	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Data	- / -	- / -	- / 0.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.225	
3.4) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.275	- / 0.445	- / 0.026	- / -	- / -	- / 0.746	
3.5) Support Equipment	- / -	- / -	- / 0.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.545	
3.6) Other Support	- / -	- / -	- / 0.575	- / 0.236	- / -	- / 0.236	- / 0.211	- / 0.223	- / 0.304	- / -	- / -	- / 1.549	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 1.555	- / 0.464	- / -	- / 0.464	- / 0.712	- / 0.873	- / 0.508	- / -	- / -	- / 4.112	
Installation													
Modification Item 1 of 1: 008-14 Dual Transmit SATCOM	- / 0.000	- / -	- / -	- / 0.127	- / -	- / 0.127	- / 0.647	- / 0.659	- / 0.672	- / -	- / -	- / 2.105	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 0.127	- / -	- / 0.127	- / 0.647	- / 0.659	- / 0.672	- / -	- / -	- / 2.105	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	2.744	6.521	-	6.521	7.390	7.677	1.180	-	-	25.512	

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0544 / E-2 Series			Modification Number / Title: 4 / 008-14 Dual Transmit SATCOM

Modification Item 1 of 1: 008-14 Dual Transmit SATCOM

Manufacturer Information

Manufacturer Name: Dual Transmit SATCOM				Manufacturer Location: Not Specified..			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 10			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019	
Delivery Dates		Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020	

Installation Information

Method of Implementation: Field Mod Teams:: Installation Name: E-2D Dual Transmit SATCOM

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	1 / 0.127	- / -	1 / 0.127	- / -	- / -	- / -	- / -	- / -	1 / 0.127
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.647	- / -	- / -	- / -	- / -	5 / 0.647
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.659	- / -	- / -	- / -	5 / 0.659
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.672	- / -	- / -	5 / 0.672
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 0.127	- / -	1 / 0.127	5 / 0.647	5 / 0.659	5 / 0.672	- / -	- / -	16 / 2.105

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	1	-	-	-	2	2	1	-	2	2	1	-	2	2	1	-	-	-	-	-	-	16
Out	-	-	-	-	-	-	-	-	-	1	-	-	-	2	2	1	-	2	2	1	-	2	2	1	-	-	-	-	-	-	16

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 5 / 009-14 MODE 5/S			

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>	0.000	4.415	3.458	3.348	-	3.348	2.503	-	-	-	-	13.724
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	4.415	3.458	3.348	-	3.348	2.503	-	-	-	-	13.724
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	4.415	3.458	3.348	-	3.348	2.503	-	-	-	-	13.724
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This funding will field the Mode 5 interrogation capability into the E-2D. This effort will update the current APX-122 Identification of Friend or Foe (IFF) interrogator system with the Mode 5 software and hardware upgrade. The Mode 5 secure IFF system is used to identify friendly forces in a battlefield environment by maximizing Combat Identification and Situational Awareness among military platforms. The E-2D Mode 5 IFF system is being developed with modern modulation, coding, and cryptographic techniques that will provide positive, secure, line-of-sight identification of friendly military aircraft platforms.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Mode 5 system design and development completed in 4th QTR FY-14. Flight test is due to complete 4th QTR FY-15. Procurement of kits began in FY14.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 5 / 009-14 MODE 5/S				
Models of Systems Affected: E-2D				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement												
<i>Modification Item 1 of 1: 009-14 MODE 5/S</i>												
B Kits												
Recurring												
2.1.1) E-2D Mode 5 - NonOrganic	- / -	5 / 1.443	5 / 1.469	6 / 1.791	- / -	6 / 1.791	- / -	- / -	- / -	- / -	- / -	16 / 4.703
<i>Subtotal: Recurring</i>	- / 0.000	- / 1.443	- / 1.469	- / 1.791	- / -	- / 1.791	- / -	- / -	- / -	- / -	- / -	- / 4.703
<i>Subtotal: 009-14 MODE 5/S</i>	- / -	5 / 1.443	5 / 1.469	6 / 1.791	- / -	6 / 1.791	- / -	- / -	- / -	- / -	- / -	16 / 4.703
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 1.443	- / 1.469	- / 1.791	- / -	- / 1.791	- / -	- / -	- / -	- / -	- / -	- / 4.703
Support (All Modification Items)												
3.1) ILS	- / -	- / 0.044	- / 0.069	- / 0.055	- / -	- / 0.055	- / 0.112	- / -	- / -	- / -	- / -	- / 0.280
3.2) Data	- / -	- / -	- / 0.047	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.047
3.3) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Training Equipment	- / -	3 / 2.249	- / 0.221	- / 0.025	- / -	- / 0.025	- / -	- / -	- / -	- / -	- / -	3 / 2.495
3.5) Support Equipment	- / -	15 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.150
3.6) Other Support	- / -	- / 0.529	- / 1.467	- / 1.289	- / -	- / 1.289	- / 2.161	- / -	- / -	- / -	- / -	- / 5.446
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 0.000	- / 2.972	- / 1.804	- / 1.369	- / -	- / 1.369	- / 2.273	- / -	- / -	- / -	- / -	- / 8.418
Installation												
<i>Modification Item 1 of 1: 009-14 MODE 5/S</i>	- / 0.000	- / -	- / 0.185	- / 0.188	- / -	- / 0.188	- / 0.230	- / -	- / -	- / -	- / -	- / 0.603
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / 0.185	- / 0.188	- / -	- / 0.188	- / 0.230	- / -	- / -	- / -	- / -	- / 0.603
Total												
Total Cost (Procurement + Support + Installation)	0.000	4.415	3.458	3.348	-	3.348	2.503	-	-	-	-	13.724

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0544 / E-2 Series			Modification Number / Title: 5 / 009-14 MODE 5/S

Modification Item 1 of 1: 009-14 MODE 5/S

Manufacturer Information

Manufacturer Name: E-2D MODE 5	Manufacturer Location: Not Specified..
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 6

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014	Mar 2015	Mar 2016				
Delivery Dates	Sep 2014	Sep 2015	Sep 2016				

Installation Information

Method of Implementation: FIELD MOD TEAM:: Installation Name: E-2D Mode 5

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	5 / 0.185	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.185
FY 2015	- / -	- / -	- / -	5 / 0.188	- / -	5 / 0.188	- / -	- / -	- / -	- / -	- / -	5 / 0.188
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.230	- / -	- / -	- / -	- / -	6 / 0.230
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	5 / 0.185	5 / 0.188	- / -	5 / 0.188	6 / 0.230	- / -	- / -	- / -	- / -	16 / 0.603

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	5	-	-	-	5	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	-	-	-	-	-	5	-	-	-	5	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series						Modification Number / Title: 6 / 011-14 E-2D Avionics		
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>)	0.000	1.726	5.784	1.900	-	1.900	0.432	-	-	-	-	9.842
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	1.726	5.784	1.900	-	1.900	0.432	-	-	-	-	9.842
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	1.726	5.784	1.900	-	1.900	0.432	-	-	-	-	9.842
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This funding will integrate and field the Crypto modernization improvements of ARC-210 into the E-2D. Without the modernization of the crypto the E-2D loses the ability to do High Frequency secure voice, LINK-16 and Satellite Communications Intel Data which are required to execute the E-2D mission. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: ARC-210 software development completed in FY13. Flight test began in FY14. Procurement of kits began in FY14.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 6 / 011-14 E-2D Avionics				
Models of Systems Affected: E-2D				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement												
<i>Modification Item 1 of 1:</i> 011-14 E-2D Avionics												
A Kits												
Recurring												
1.1.1) ARC-210 - NonOrganic	- / -	2 / 0.007	5 / 0.017	2 / 0.007	- / -	2 / 0.007	- / -	- / -	- / -	- / -	- / -	9 / 0.031
<i>Subtotal: Recurring</i>	- / 0.000	- / 0.007	- / 0.017	- / 0.007	- / -	- / 0.007	- / -	- / -	- / -	- / -	- / -	- / 0.031
B Kits												
Recurring												
2.1.1) ARC-210 - Organic	- / -	2 / 1.159	5 / 2.953	2 / 1.204	- / -	2 / 1.204	- / -	- / -	- / -	- / -	- / -	9 / 5.316
<i>Subtotal: Recurring</i>	- / 0.000	- / 1.159	- / 2.953	- / 1.204	- / -	- / 1.204	- / -	- / -	- / -	- / -	- / -	- / 5.316
<i>Subtotal: 011-14 E-2D Avionics</i>	- / -	4 / 1.166	10 / 2.970	4 / 1.211	- / -	4 / 1.211	- / -	- / -	- / -	- / -	- / -	18 / 5.347
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 1.166	- / 2.970	- / 1.211	- / -	- / 1.211	- / -	- / -	- / -	- / -	- / -	- / 5.347
Support (All Modification Items)												
3.1) Data	- / -	- / -	- / 0.125	- / 0.036	- / -	- / 0.036	- / -	- / -	- / -	- / -	- / -	- / 0.161
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) ILS	- / -	- / 0.466	- / 0.464	- / 0.066	- / -	- / 0.066	- / 0.015	- / -	- / -	- / -	- / -	- / 1.011
3.4) Training Equipment	- / -	- / -	1 / 1.776	- / 0.152	- / -	- / 0.152	- / 0.070	- / -	- / -	- / -	- / -	1 / 1.998
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / -	- / 0.094	- / 0.369	- / 0.232	- / -	- / 0.232	- / 0.264	- / -	- / -	- / -	- / -	- / 0.959
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 0.000	- / 0.560	- / 2.734	- / 0.486	- / -	- / 0.486	- / 0.349	- / -	- / -	- / -	- / -	- / 4.129
Installation												
<i>Modification Item 1 of 1:</i> 011-14 E-2D Avionics	- / 0.000	- / -	- / 0.080	- / 0.203	- / -	- / 0.203	- / 0.083	- / -	- / -	- / -	- / -	- / 0.366
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / 0.080	- / 0.203	- / -	- / 0.203	- / 0.083	- / -	- / -	- / -	- / -	- / 0.366
Total												
Total Cost (Procurement + Support + Installation)	0.000	1.726	5.784	1.900	-	1.900	0.432	-	-	-	-	9.842

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 6 / 011-14 E-2D Avionics											
Modification Item 1 of 1: 011-14 E-2D Avionics																															
Manufacturer Information																															
Manufacturer Name: ARC-210															Manufacturer Location: Not Specified..																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 8																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates		Mar 2014				Mar 2015				Mar 2016																					
Delivery Dates		Nov 2014				Nov 2015				Nov 2016																					
Installation Information																															
Method of Implementation: Field Mod Team:: Installation Name: ARC-210																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	2 / 0.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.080																		
FY 2015		- / -	- / -	- / -	5 / 0.203	- / -	5 / 0.203	- / -	- / -	- / -	- / -	- / -	5 / 0.203																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.083	- / -	- / -	- / -	- / -	2 / 0.083																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	2 / 0.080	5 / 0.203	- / -	5 / 0.203	2 / 0.083	- / -	- / -	- / -	- / -	9 / 0.366																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	-	-	-	-	-	1	1	-	-	2	2	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Out	-	-	-	-	-	1	1	-	-	2	2	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Method of Implementation (Organic): Not Installed - ARC-210																															
																									Installation Quantity: 9						

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0544 / E-2 Series	Modification Number / Title: 7 / 005-15 E-2D Aircraft ACD's

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>)	0.000	-	0.790	1.540	-	1.540	-	-	-	-	-	2.330
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	0.790	1.540	-	1.540	-	-	-	-	-	2.330
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	0.790	1.540	-	1.540	-	-	-	-	-	2.330
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Retrofit Initial Operational Test and Evaluation (IOT&E) Airframe Change Directives (ACDs) and Engineering Change Proposals (ECPs) into E-2D Low Rate Production (LRIP) aircraft.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

E-2D Aircraft Block 1B and 1C ACD's development and designs completed in FY12. Approved Block 1B and 1C ACD's production cut-ins completed in FY13. Procurement of 1B and 1C kits will begin in FY15.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 7 / 005-15 E-2D Aircraft ACD's					
Models of Systems Affected: E-2D				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 005-15 E-2D Aircraft ACD's													
A Kits													
Recurring													
1.1.1) E-2D 1B ACD Kit - NonOrganic	- / -	- / -	8 / 0.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.222	
1.1.2) E-2D 1C ACD Kit - NonOrganic	- / -	- / -	10 / 0.412	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.412	
Subtotal: Recurring	- / 0.000	- / -	- / 0.634	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.634	
Subtotal: 005-15 E-2D Aircraft ACD's	- / -	- / -	18 / 0.634	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.634	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 0.634	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.634	
Support (All Modification Items)													
3.1) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) ILS	- / -	- / -	- / 0.061	- / 0.054	- / -	- / 0.054	- / -	- / -	- / -	- / -	- / -	- / 0.115	
3.3) Other Support	- / -	- / -	- / 0.075	- / 0.078	- / -	- / 0.078	- / -	- / -	- / -	- / -	- / -	- / 0.153	
3.4) Data	- / -	- / -	- / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.020	
3.5) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 0.156	- / 0.132	- / -	- / 0.132	- / -	- / -	- / -	- / -	- / -	- / 0.288	
Installation													
Modification Item 1 of 1: 005-15 E-2D Aircraft ACD's	- / 0.000	- / -	- / -	- / 1.408	- / -	- / 1.408	- / -	- / -	- / -	- / -	- / -	- / 1.408	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 1.408	- / -	- / 1.408	- / -	- / -	- / -	- / -	- / -	- / 1.408	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	0.790	1.540	-	1.540	-	-	-	-	-	2.330	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 7 / 005-15 E-2D Aircraft ACD's											
Modification Item 1 of 1: 005-15 E-2D Aircraft ACD's																															
Manufacturer Information																															
Manufacturer Name: E-2D Aircraft 1B ACD														Manufacturer Location: Not Specified..																	
Administrative Leadtime (in Months): 6														Production Leadtime (in Months): 6																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates						Mar 2015																									
Delivery Dates						Sep 2015																									
Manufacturer Name: E-2D Aircraft 1C ACD														Manufacturer Location: Not Specified..																	
Administrative Leadtime (in Months): 6														Production Leadtime (in Months): 6																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates						Mar 2015																									
Delivery Dates						Sep 2015																									
Installation Information																															
Method of Implementation: FIELD MOD TEAM:: Installation Name: E-2D 1B ACD Kit																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	8 / 0.748	- / -	8 / 0.748	- / -	- / -	- / -	- / -	- / -	8 / 0.748																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	8 / 0.748	- / -	8 / 0.748	- / -	- / -	- / -	- / -	- / -	8 / 0.748																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	-	-	-	-	-	-	-	-	-	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 7 / 005-15 E-2D Aircraft ACD's					

Modification Item 1 of 1: 005-15 E-2D Aircraft ACD's

Installation Information

Method of Implementation: FIELD MOD TEAM:: Installation Name: E-2D 1C ACD Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	10 / 0.660	- / -	10 / 0.660	- / -	- / -	- / -	- / -	- / -	10 / 0.660
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	10 / 0.660	- / -	10 / 0.660	- / -	- / -	- / -	- / -	- / -	10 / 0.660

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	3	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	-	-	-	-	-	-	-	-	-	3	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 10 / 008-17 E-2D IBS-USB-ENTR			

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>	0.000	-	-	-	-	-	2.910	7.198	1.088	-	-	11.196
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	2.910	7.198	1.088	-	-	11.196
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	2.910	7.198	1.088	-	-	11.196
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Integrating the Universal Serial Bus-Embedded National Tactical Receiver (USB-ENTR) provides the E-2D capability to receive Integrated Broadcast Service (IBS) intelligence data from national assets for real-time, emergent threat or Combat ID data, compressing tactical engagement timeline for both Naval Integrated Fire Control - Counter Air (NIFC-CA) kill chains. Due to obsolescence of E-2C legacy MATT receiver, it was not included in E-2D baseline configuration. This capability is an E-2D baseline Capability Design Document (CDD) threshold requirement and supports gap identified at Fleet Forces Command (FFC) wargaming workshop.

This effort is an FY17 New Start.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

E-2D IBS-USB-ENTR system development and design completed in FY13. Flight test began in FY14. Procurement of kits will begin in FY17.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 10 / 008-17 E-2D IBS-USB-ENTR				
Models of Systems Affected: E-2D				Modification Type: Missions Performance Enhancements				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: 008-17 E-2D IBS-USB-ENTR												
A Kits												
Recurring												
1.1.1) E-2D USB-ENTR - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.379	10 / 0.276	- / -	- / -	- / -	24 / 0.655
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.379	- / 0.276	- / -	- / -	- / -	- / 0.655
B Kits												
Recurring												
2.1.1) E-2D USB-ENTR - Organic	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.404	10 / 1.021	- / -	- / -	- / -	24 / 2.425
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.404	- / 1.021	- / -	- / -	- / -	- / 2.425
Subtotal: 008-17 E-2D IBS-USB-ENTR	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.783	20 / 1.297	- / -	- / -	- / -	48 / 3.080
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.783	- / 1.297	- / -	- / -	- / -	- / 3.080
Support (All Modification Items)												
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.149	- / 0.151	- / -	- / -	- / -	- / 0.300
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.307	- / 4.739	- / 0.200	- / -	- / -	- / 5.246
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.260	- / 0.249	- / 0.157	- / -	- / -	- / 0.666
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.355	- / 0.362	- / 0.491	- / -	- / -	- / 1.208
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.056	- / 0.071	- / -	- / -	- / -	- / 0.127
3.6) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.127	- / 5.572	- / 0.848	- / -	- / -	- / 7.547
Installation												
Modification Item 1 of 1: 008-17 E-2D IBS-USB-ENTR	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.329	- / 0.240	- / -	- / -	- / 0.569
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.329	- / 0.240	- / -	- / -	- / 0.569
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	2.910	7.198	1.088	-	-	11.196

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 10 / 008-17 E-2D IBS-USB-ENTR																							
Modification Item 1 of 1: 008-17 E-2D IBS-USB-ENTR																															
Manufacturer Information																															
Manufacturer Name: USB-ENTR							Manufacturer Location: FIELD MOD TEAM																								
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 6																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates				Mar 2017	Mar 2018																										
Delivery Dates				Sep 2017	Sep 2018																										
Installation Information																															
Method of Implementation: FIELD MOD TEAM:: Installation Name: E-2D USB-ENTR																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.329	- / -	- / -	- / -	14 / 0.329																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.240	- / -	- / -	10 / 0.240																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.329	10 / 0.240	- / -	- / -	24 / 0.569																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	4	4	3	3	3	1	-	-	-	-	-	24
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	4	4	3	3	3	1	-	-	-	-	-	24
Method of Implementation (Organic): Not Installed - E-2D USB-ENTR														Installation Quantity: 24																	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 8 / 009-16 E-2D AIS			

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>)	0.000	-	-	1.338	-	1.338	3.526	0.964	-	-	-	5.828
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	1.338	-	1.338	3.526	0.964	-	-	-	5.828
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	1.338	-	1.338	3.526	0.964	-	-	-	5.828
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Automatic Identification System (AIS) is a tracking system which provides identification, course, and speed of maritime surface vessels. E-2D is a critical component in developing and maintaining the common tactical picture for naval and joint forces. AIS will provide enhanced maritime target Combat ID capability in support of Battlefield Management, Command and Control (BMC2) and Surface Warfare (SUW) mission capability. E-2D AIS supports Combat Identification (CID) gap identified at Fleet Forces Command (FFC) war gaming workshop and is an E-2D Capability Development Document (CDD) requirement (JROC approved March 3, 2009). AIS is already incorporated in the E-2C.

This effort is an FY16 New Start.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

E-2D AIS system development and design completed in FY13. Flight test began in FY14. Procurement of kits will begin in FY16.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 8 / 009-16 E-2D AIS				
Models of Systems Affected: E-2D				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: 009-16 E-2D AIS												
A Kits												
Recurring												
1.1.1) E-2D AIS - NonOrganic	- / -	- / -	- / -	14 / 0.165	- / -	14 / 0.165	10 / 0.120	- / -	- / -	- / -	- / -	24 / 0.285
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.165	- / -	- / 0.165	- / 0.120	- / -	- / -	- / -	- / -	- / 0.285
B Kits												
Recurring												
2.1.1) E-2D AIS - Organic	- / -	- / -	- / -	14 / 0.345	- / -	14 / 0.345	10 / 0.251	- / -	- / -	- / -	- / -	24 / 0.596
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.345	- / -	- / 0.345	- / 0.251	- / -	- / -	- / -	- / -	- / 0.596
Subtotal: 009-16 E-2D AIS	- / -	- / -	- / -	28 / 0.510	- / -	28 / 0.510	20 / 0.371	- / -	- / -	- / -	- / -	48 / 0.881
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 0.510	- / -	- / 0.510	- / 0.371	- / -	- / -	- / -	- / -	- / 0.881
Support (All Modification Items)												
3.1) Support Equipment	- / -	- / -	- / -	- / 0.030	- / -	- / 0.030	- / 0.030	- / -	- / -	- / -	- / -	- / 0.060
3.2) Training Equipment	- / -	- / -	- / -	- / 0.337	- / -	- / 0.337	- / 2.236	- / 0.197	- / -	- / -	- / -	- / 2.770
3.3) ILS	- / -	- / -	- / -	- / 0.139	- / -	- / 0.139	- / 0.140	- / 0.136	- / -	- / -	- / -	- / 0.415
3.4) Other Support	- / -	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.306	- / 0.317	- / -	- / -	- / -	- / 0.923
3.5) Data	- / -	- / -	- / -	- / 0.022	- / -	- / 0.022	- / 0.011	- / -	- / -	- / -	- / -	- / 0.033
3.6) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.828	- / -	- / 0.828	- / 2.723	- / 0.650	- / -	- / -	- / -	- / 4.201
Installation												
Modification Item 1 of 1: 009-16 E-2D AIS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.432	- / 0.314	- / -	- / -	- / -	- / 0.746
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.432	- / 0.314	- / -	- / -	- / -	- / 0.746
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	1.338	-	1.338	3.526	0.964	-	-	-	5.828

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 8 / 009-16 E-2D AIS											
Modification Item 1 of 1: 009-16 E-2D AIS																															
Manufacturer Information																															
Manufacturer Name: AIS															Manufacturer Location: FIELD MOD TEAM																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 6																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates										Mar 2016				Mar 2017																	
Delivery Dates										Sep 2016				Sep 2017																	
Installation Information																															
Method of Implementation: FIELD MOD TEAM:: Installation Name: E-2D AIS																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.432	- / -	- / -	- / -	- / -	14 / 0.432																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.314	- / -	- / -	- / -	10 / 0.314																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.432	10 / 0.314	- / -	- / -	- / -	24 / 0.746																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	2	3	3	3	1	-	-	-	-	-	-	-	-	-	24
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	2	3	3	3	1	-	-	-	-	-	-	-	-	-	24
Method of Implementation (Organic): Not Installed - E-2D AIS																															
																									Installation Quantity: 24						

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 9 / 001-17 LINK 16 (MIDS/JTIDS for E-2C)			

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>)	0.000	-	-	-	-	-	4.776	2.841	0.863	-	-	8.480
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	4.776	2.841	0.863	-	-	8.480
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	4.776	2.841	0.863	-	-	8.480
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This funding will integrate and field the Link 16 capability into the E-2C with the Multifunctional Information Distribution System/Joint Tactical Radio System (MIDS/JTRS) terminal which will improve the performance against currently existing data links and contains the Link-16 crypto modernization upgrades. This funding also supports the software effort to integrate application standards into the mission computer and displays.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

JTIDS crypto modernization and frequency remapping E-2C system integration design began in FY14. Flight test begins in FY15. Procurement of kits will begin in FY17.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 9 / 001-17 LINK 16 (MIDS/JTIDS for E-2C)				
Models of Systems Affected: E-2C				Modification Type: Mission Performance Enhancements					Related RDT&E PEs:				
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> 001-17 LINK 16 (MIDS/JTIDS for E-2C)													
A Kits													
Recurring													
1.1.1) LINK 16 (MIDS/JTIDS for E-2C) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.053	9 / 0.048	- / -	- / -	- / -	19 / 0.101	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.053	- / 0.048	- / -	- / -	- / -	- / 0.101	
B Kits													
Recurring													
2.1.1) Installation Kits Recurring - Organic	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.572	9 / 1.370	- / -	- / -	- / -	19 / 2.942	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.572	- / 1.370	- / -	- / -	- / -	- / 2.942	
<i>Subtotal: 001-17 LINK 16 (MIDS/JTIDS for E-2C)</i>	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.625	18 / 1.418	- / -	- / -	- / -	38 / 3.043	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.625	- / 1.418	- / -	- / -	- / -	- / 3.043	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.192	- / 0.114	- / 0.047	- / -	- / -	- / 0.353	
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.227	- / 0.252	- / 0.256	- / -	- / -	2 / 2.735	
3.4) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.302	- / 0.480	- / -	- / -	- / -	- / 0.782	
3.5) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.430	- / 0.422	- / 0.418	- / -	- / -	- / 1.270	
3.6) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.151	- / 1.268	- / 0.721	- / -	- / -	- / 5.140	
Installation													
<i>Modification Item 1 of 1:</i> 001-17 LINK 16 (MIDS/JTIDS for E-2C)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.155	- / 0.142	- / -	- / -	- / 0.297	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.155	- / 0.142	- / -	- / -	- / 0.297	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	4.776	2.841	0.863	-	-	8.480	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0544 / E-2 Series										Modification Number / Title: 9 / 001-17 LINK 16 (MIDS/JTIDS for E-2C)											
Modification Item 1 of 1: 001-17 LINK 16 (MIDS/JTIDS for E-2C)																															
Manufacturer Information																															
Manufacturer Name: LINK-16															Manufacturer Location: FIELD MOD TEAM																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 6																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates														Mar 2017				Mar 2018													
Delivery Dates														Sep 2017				Sep 2018													
Installation Information																															
Method of Implementation: FIELD MOD TEAM:: Installation Name: LINK 16 (MIDS/JTIDS for E-2C)																															
Installation Cost		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							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.155		- / -		- / -		- / -		10 / 0.155					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		9 / 0.142		- / -		- / -		9 / 0.142					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.155		9 / 0.142		- / -		- / -		19 / 0.297					
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	1	3	3	3	-	-	-	-	-	-	19
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	1	3	3	3	-	-	-	-	-	-	19
Method of Implementation (Organic): Not Installed - Installation Kits Recurring																															
																				Installation Quantity: 19											

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 11 / 001-18 E-2D MIDS/JTRS TTNT			

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)	0.000	-	-	-	-	-	-	19.127	16.316	16.713	15.756	67.912
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	-	-	-	-	-	19.127	16.316	16.713	15.756	67.912
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	-	-	-	-	-	19.127	16.316	16.713	15.756	67.912
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Funding will be used to integrate and field the Multifunctional Information Distribution System (MIDS) Joint Tactical Radio System (JTRS) with the Tactical Targeting Network Technology (TTNT) wave form. This capability will integrate the current E-2D Link-16 data link architecture with a time-sensitive targeting technology as part of the Naval Integrated Fire Control-Counter Air concept for fleet air and missile defense.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

MIDS/JTRS TTNT system development and design began in FY14. Flight test occurs in FY16. Procurement of kits will begin in FY18.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 11 / 001-18 E-2D MIDS/JTRS TTNT					
Models of Systems Affected: E-2D				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 001-18 E-2D MIDS/JTRS TTNT													
A Kits													
Recurring													
1.1.1) E-2D MIDS/JTRS TTNT - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.550	12 / 0.561	12 / 0.571	7 / 0.340	43 / 2.022	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.550	- / 0.561	- / 0.571	- / 0.340	- / 2.022	
B Kits													
Recurring													
2.1.1) Installation Kits Recurring - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 10.173	24 / 10.367	24 / 10.563	14 / 6.279	86 / 37.382	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.173	- / 10.367	- / 10.563	- / 6.279	- / 37.382	
Subtotal: 001-18 E-2D MIDS/JTRS TTNT	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 10.723	36 / 10.928	36 / 11.134	21 / 6.619	129 / 39.404	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.723	- / 10.928	- / 11.134	- / 6.619	- / 39.404	
Support (All Modification Items)													
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.007	- / 1.024	- / 1.209	- / 1.426	- / 4.666	
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.455	- / 0.143	- / 0.145	- / -	- / 4.743	
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.987	- / 0.942	- / 0.962	- / 1.311	- / 4.202	
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.230	- / 1.250	- / 1.272	- / 3.379	- / 7.131	
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.725	- / 0.491	- / 0.424	- / 0.475	- / 2.115	
3.6) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.404	- / 3.850	- / 4.012	- / 6.591	- / 22.857	
Installation													
Modification Item 1 of 1: 001-18 E-2D MIDS/JTRS TTNT	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.538	- / 1.567	- / 2.546	- / 5.651	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.538	- / 1.567	- / 2.546	- / 5.651	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	19.127	16.316	16.713	15.756	67.912	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 11 / 001-18 E-2D MIDS/JTRS TTNT																							
Modification Item 1 of 1: 001-18 E-2D MIDS/JTRS TTNT																															
Manufacturer Information																															
Manufacturer Name: TTNT							Manufacturer Location: FIELD MOD TEAM																								
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 6																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates					Mar 2018	Mar 2019	Mar 2020																								
Delivery Dates					Sep 2018	Sep 2019	Mar 2020																								
Installation Information																															
Method of Implementation: FIELD MOD TEAM:: Installation Name: E-2D MIDS/JTRS TTNT																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.538	- / -	- / -	12 / 1.538																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.567	- / -	12 / 1.567																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.597	12 / 1.597																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.949	7 / 0.949																			
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.538	12 / 1.567	19 / 2.546	43 / 5.651																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	19	43
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	19	43
Method of Implementation (Organic): Not Installed - Installation Kits Recurring														Installation Quantity: 86																	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 12 / 002-18 E-2D Aerial Refueling			

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>	0.000	-	-	-	-	-	-	36.155	55.147	58.514	316.755	466.571
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	-	36.155	55.147	58.514	316.755	466.571
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	-	36.155	55.147	58.514	316.755	466.571
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The E-2D Aerial Refueling (AR) OSIP (2-18), will allow the E-2 to receive fuel from various organic and non-organic tanker aircraft. It will provide Expanded Battle Space Surveillance and Targeting through significantly enhanced persistence and increased flexibility (range & endurance).

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Aerial Refueling risk reduction began in FY12. Engineering & Manufacturing Development began in FY13. Preliminary Design Review was 4Q FY14 and Critical Design Review is 3Q FY15. Flight test occurs in FY17. Procurement of kits will begin in FY18.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 12 / 002-18 E-2D Aerial Refueling				
Models of Systems Affected: E-2D			Modification Type: Mission Performance Enhancements					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: 002-18 E-2D Aerial Refueling												
A Kits												
Recurring												
1.1.1) E-2D Aerial Refueling - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 9.829	6 / 12.007	7 / 14.246	25 / 53.608	43 / 89.690
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.829	- / 12.007	- / 14.246	- / 53.608	- / 89.690
Subtotal: 002-18 E-2D Aerial Refueling	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 9.829	6 / 12.007	7 / 14.246	25 / 53.608	43 / 89.690
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.829	- / 12.007	- / 14.246	- / 53.608	- / 89.690
Support (All Modification Items)												
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.698	- / 1.055	- / -	- / -	- / 2.753
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 14.891	- / 2.822	- / 0.229	- / 0.233	5 / 18.175
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.832	- / 1.785	- / 1.769	- / 11.583	- / 16.969
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.636	- / 6.749	- / 6.207	- / 47.133	- / 66.725
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.269	- / 1.179	- / -	- / -	- / 2.448
3.6) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.326	- / 13.590	- / 8.205	- / 58.949	- / 107.070
Installation												
Modification Item 1 of 1: 002-18 E-2D Aerial Refueling	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.550	- / 36.063	- / 204.198	- / 269.811
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.550	- / 36.063	- / 204.198	- / 269.811
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	36.155	55.147	58.514	316.755	466.571

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 12 / 002-18 E-2D Aerial Refueling																							
Modification Item 1 of 1: 002-18 E-2D Aerial Refueling																															
Manufacturer Information																															
Manufacturer Name: IFR							Manufacturer Location: FIELD MOD TEAM																								
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 6																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates					Mar 2018	Mar 2019	Mar 2020																								
Delivery Dates					Sep 2018	Sep 2019	Mar 2020																								
Installation Information																															
Method of Implementation: FIELD MOD TEAM:: Installation Name: E-2D Aerial Refueling																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 29.550	- / -	- / -	5 / 29.550																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 36.063	- / -	6 / 36.063																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 42.873	7 / 42.873																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 161.325	25 / 161.325																			
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 29.550	6 / 36.063	32 / 204.198	43 / 269.811																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	-	2	2	2	-	32	43
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	-	2	2	2	-	32	43

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series						Modification Number / Title: 13 / 003-18 E-2D SIPR CHAT		
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>)	0.000	-	-	-	-	-	-	9.032	4.849	4.697	4.802	23.380
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	9.032	4.849	4.697	4.802	23.380
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	9.032	4.849	4.697	4.802	23.380
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The E-2D Secret Internet Protocol Router Chat (SIPR) OSIP (3-18), will support the integration of current collaboration tools including tactical "chat" (text) communications, real-time tasking, and Air Tasking Order distribution. Recent real world operations have demonstrated a migration of Command and Control communications from voice to Internet protocol based networks. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: SIPR Chat system development and design began in FY14. Flight Test occurs in FY17. Procurement of kits will begin in FY18.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 13 / 003-18 E-2D SIPR CHAT				
Models of Systems Affected: E-2D				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: 003-18 E-2D SIPR CHAT												
A Kits												
Recurring												
1.1.1) E-2D SIPR CHAT - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.422	12 / 0.430	12 / 0.438	7 / 0.260	43 / 1.550
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.422	- / 0.430	- / 0.438	- / 0.260	- / 1.550
B Kits												
Recurring												
2.1.1) Installation Kits Recurring - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.729	12 / 0.748	12 / 0.763	7 / 0.458	43 / 2.698
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.729	- / 0.748	- / 0.763	- / 0.458	- / 2.698
Subtotal: 003-18 E-2D SIPR CHAT	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.151	24 / 1.178	24 / 1.201	14 / 0.718	86 / 4.248
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.151	- / 1.178	- / 1.201	- / 0.718	- / 4.248
Support (All Modification Items)												
3.1) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.930	- / 0.946	- / 1.117	- / -	- / 2.993
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.601	- / 0.366	- / 0.373	- / -	- / 5.340
3.3) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.362	- / 0.194	- / 0.188	- / 0.192	- / 0.936
3.4) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.356	- / 1.383	- / 1.406	- / 3.294	- / 7.439
3.5) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.632	- / 0.421	- / 0.043	- / -	- / 1.096
3.6) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.881	- / 3.310	- / 3.127	- / 3.486	- / 17.804
Installation												
Modification Item 1 of 1: 003-18 E-2D SIPR CHAT	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.361	- / 0.369	- / 0.598	- / 1.328
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.361	- / 0.369	- / 0.598	- / 1.328
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	9.032	4.849	4.697	4.802	23.380

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 13 / 003-18 E-2D SIPR CHAT																							
Modification Item 1 of 1: 003-18 E-2D SIPR CHAT																															
Manufacturer Information																															
Manufacturer Name: SIPRCHAT							Manufacturer Location: Field Mod Team																								
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 6																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates					Mar 2018	Mar 2019	Mar 2020																								
Delivery Dates					Sep 2018	Sep 2019	Mar 2020																								
Installation Information																															
Method of Implementation: FIELD MOD TEAM:: Installation Name: E-2D SIPR CHAT																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.361	- / -	- / -	12 / 0.361																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.369	- / -	12 / 0.369																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.375	12 / 0.375																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.223	7 / 0.223																			
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.361	12 / 0.369	19 / 0.598	43 / 1.328																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	19	43
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	19	43
Method of Implementation (Organic): Not Installed - Installation Kits Recurring														Installation Quantity: 43																	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series					Modification Number / Title: 14 / Inactive OSIPs			
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>	1,220.414	-	-	-	-	-	-	-	-	-	-	1,220.414
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,220.414	-	-	-	-	-	-	-	-	-	-	1,220.414
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,220.414	-	-	-	-	-	-	-	-	-	-	1,220.414
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0544 / E-2 Series				Modification Number / Title: 14 / Inactive OSIPs				
Models of Systems Affected:			Modification Type:					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Inactive OSIPs												
A Kits												
Recurring												
1.1.1) INACTIVE OSIPS - Organic	- / 1,220.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,220.414
Subtotal: Recurring	- / 1,220.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,220.414
Subtotal: Inactive OSIPs	- / 1,220.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,220.414
Subtotal: Procurement, All Modification Items	- / 1,220.414	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1,220.414
Support (All Modification Items)												
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	1,220.414	-	-	-	-	-	-	-	-	-	-	1,220.414

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0544 / E-2 Series			Modification Number / Title: 14 / Inactive OSIPs	
<i>Modification Item 1 of 1:</i> Inactive OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install						Installation Quantity: 0	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0549 / Trainer Acft Series					
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>	198.380	4.166	12.608	27.980	-	27.980	34.769	30.889	35.848	36.560	37.196	418.396
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	198.380	4.166	12.608	27.980	-	27.980	34.769	30.889	35.848	36.560	37.196	418.396
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	198.380	4.166	12.608	27.980	-	27.980	34.769	30.889	35.848	36.560	37.196	418.396
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to a group of trainer aircraft which includes T-44A/C and TH-57. The trainer aircraft are described as follows: The T-44 is a twin-engine, multi-seat turboprop aircraft produced by Hawker Beech Aircraft used to simulate operation of multi engine aircraft, specifically the P-3; the TH-57 is a single-engine, multi-seat rotary wing aircraft used for helicopter training. The overall goal of the modification is to maintain safe and reliable operation of the trainer aircraft through the timely installation of necessary changes. Total numbers for T-44 and TH-57 aircraft are 54 and 126, respectively.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0549 / Trainer Acft Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE (Safety)	P-3a		- / 113.150	- / 4.166	- / 3.060	- / 2.181	- / -	- / 2.181
2 / OSIP 006-07 TH-57 SAFETY UPGRADE (Conversion/Safety)	P-3a		- / 34.056	- / -	- / 9.548	- / 25.799	- / -	- / 25.799
3 / Inactive OSIPs ()	P-3a		- / 51.174	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 198.380	- / 4.166	- / 12.608	- / 27.980	- / -	- / 27.980
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE (Safety)	P-3a		- / 5.463	- / 2.182	- / 1.389	- / -	- / -	- / 131.591
2 / OSIP 006-07 TH-57 SAFETY UPGRADE (Conversion/Safety)	P-3a		- / 29.306	- / 28.707	- / 34.459	- / 36.560	- / 37.196	- / 235.631
3 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 51.174
Total Gross/Weapon System Cost			- / 34.769	- / 30.889	- / 35.848	- / 36.560	- / 37.196	- / 418.396
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0549 / Trainer Acft Series	Modification Number / Title: 1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE

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>)	113.150	4.166	3.060	2.181	-	2.181	5.463	2.182	1.389	-	-	131.591
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	113.150	4.166	3.060	2.181	-	2.181	5.463	2.182	1.389	-	-	131.591
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	113.150	4.166	3.060	2.181	-	2.181	5.463	2.182	1.389	-	-	131.591
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The T-44A Avionics are becoming unsupportable due to non-availability of parts. The following analog avionics systems require replacement: NCS-31A Area Navigation/Control System, AP-106 Autopilot, Flight Director, digital engine gauges and the RDR-130 Weather Radar. Following these avionics obsolescence modifications, the T-44A aircraft are re-designated T-44Cs. Avionics are being returned from the repair vendor Beyond Economical Repair (BER) due to non-availability of parts. As avionics become BER due to lack of parts, spares are being depleted and are not available in the commercial market. Lack of avionics will ground aircraft and severely degrade Chief of Naval Air Training's ability to meet Pilot Training Requirements. Current plans call for T-44 to fly its training mission until 2025. There are currently 16 T-44A's in the inventory and all 16 will receive this modification for a total of 54 T-44C's. All remaining T-44A's are on track for modifications. FY16-20 includes the addition of the new Automatic Dependent Surveillance-Broadcast OUT (ADS-B) Out capability for the T44. This new capability will be compliant with the FAA Next Generation Air Transportation System and FAA modernization and Reform Act by 2020. This capability upgrade will be incorporated into the aircraft avionics hardware and software components along with training courseware and hardware.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

The T-44 Avionics Obsolescence (Operational, Safety, and Improvement Program 005-04) non-recurring engineering occurred in FY04. Commercially available Non-Development Item kit procurement began in FY05 and installations in FY05. Beginning in FY13, kits were commercially procured via a Fleet Support Team (FST) contract and installed by Fleet Readiness Center Southeast (FRCSE).

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series				Modification Number / Title: 1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE					
Models of Systems Affected: T-44A/C				Modification Type: Safety				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 2: Installation Kits													
A Kits													
Recurring													
1.1.1) Install Kits - A kits (A to C Conversion) - NonOrganic ⁽¹⁾	54 / 13.266	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 13.266	
1.1.2) ADS-B Out - Organic ⁽²⁾	- / -	- / -	- / -	2 / 2.181	- / -	2 / 2.181	24 / 5.463	24 / 2.182	4 / 1.389	- / -	- / -	54 / 11.215	
Subtotal: Recurring	- / 13.266	- / -	- / -	- / 2.181	- / -	- / 2.181	- / 5.463	- / 2.182	- / 1.389	- / -	- / -	- / 24.481	
Non-Recurring													
1.2.1) Installation Kits Non-recurring - Organic	3 / 5.641	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.641	
Subtotal: Non-Recurring	- / 5.641	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.641	
Subtotal: Installation Kits	57 / 18.907	- / -	- / -	2 / 2.181	- / -	2 / 2.181	24 / 5.463	24 / 2.182	4 / 1.389	- / -	- / -	111 / 30.122	
Modification Item 2 of 2: Installation Equipment													
B Kits													
Recurring													
2.1.1) Install Kits - B kits - Organic	54 / 45.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 45.582	
2.1.2) Digital Engine Gauges - Depot Level Installed - NonOrganic ⁽³⁾	36 / 2.221	18 / 1.144	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 3.365	
Subtotal: Recurring	- / 47.803	- / 1.144	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.947	
Subtotal: Installation Equipment	90 / 47.803	18 / 1.144	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 48.947	
Subtotal: Procurement, All Modification Items	- / 66.710	- / 1.144	- / -	- / 2.181	- / -	- / 2.181	- / 5.463	- / 2.182	- / 1.389	- / -	- / -	- / 79.069	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) DATA - Publications	- / 0.344	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.344	
3.3) Training Equipment ⁽⁴⁾	14 / 22.707	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 22.707	
3.4) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) Other Support	- / 3.640	- / 0.494	- / 0.384	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.518	
3.6) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 26.691	- / 0.494	- / 0.384	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.569	
Installation													
Modification Item 1 of 2: Installation Kits	- / 19.077	- / 0.704	- / 0.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.101	
Modification Item 2 of 2: Installation Equipment	- / 0.672	- / 1.824	- / 2.356	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.852	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series				Modification Number / Title: 1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE				
Models of Systems Affected: T-44A/C				Modification Type: Safety				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Subtotal: Installation	- / 19.749	- / 2.528	- / 2.676	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.953
Total												
Total Cost (Procurement + Support + Installation)	113.150	4.166	3.060	2.181	-	2.181	5.463	2.182	1.389	-	-	131.591

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series				Modification Number / Title: 1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE																							
Modification Item 1 of 2: Installation Kits																															
Manufacturer Information																															
Manufacturer Name: Vector - Digital Engine Gauges/ Install A kits							Manufacturer Location: Daleville, AL																								
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 2																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates	Jan 2014																														
Delivery Dates	Mar 2014																														
Installation Information																															
Method of Implementation: Depot Level Install:: Installation Name: Kits- A to C conversion/Digital Engine Gauges																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	38 / 19.077	11 / 0.704	5 / 0.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 20.101																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	38 / 19.077	11 / 0.704	5 / 0.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 20.101																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	38	4	4	3	-	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
Out	38	4	4	-	3	-	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
Method of Implementation (Organic): Organic - ADS-B Out																				Installation Quantity: 54											
Method of Implementation (Organic): Not Installed - Installation Kits Non-recurring																				Installation Quantity: 3											

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0549 / Trainer Acft Series										Modification Number / Title: 1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE																			
Modification Item 2 of 2: Installation Equipment																																							
Manufacturer Information																																							
Manufacturer Name: Vector - Digital Engine Gauges/ Install A kits															Manufacturer Location: Daleville, AL																								
Administrative Leadtime (in Months): 4															Production Leadtime (in Months): 2																								
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
Contract Dates		Jan 2014																																					
Delivery Dates		Mar 2014																																					
Installation Information																																							
Method of Implementation: Depot Level Install:: Installation Name: Kits- A to C conversion/Digital Engine Gauges																																							
Installation Cost		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															
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)															
Prior Years		7 / 0.672		13 / 1.248		16 / 1.209		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		36 / 3.129													
FY 2014		- / -		6 / 0.576		12 / 1.147		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 1.723													
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
Total		7 / 0.672		19 / 1.824		28 / 2.356		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		54 / 4.852													
Installation Schedule																																							
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot								
In	7	3	3	6	7	7	7	10	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54								
Out	7	3	3	3	7	3	3	11	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54								
Method of Implementation (Organic): Organic - Install Kits - B kits																														Installation Quantity: 54									
Footnotes: (1) Depot installations are delayed due to reduced funding at FRC caused from sequestration and Congressional marks.																																							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0549 / Trainer Acft Series	Modification Number / Title: 1 / OSIP 005-04 - T44 AVIONICS OBSOLESCENCE

⁽²⁾ FY16-20 includes the addition of the new Automatic Dependent Surveillance-Broadcast OUT (ADS-B) Out capability for the T44. This new capability will be compliant with the FAA Next Generation Air Transportation System and FAA modernization and Reform Act by 2020. This capability upgrade will be incorporated into the aircraft avionics hardware and software components along with training courseware and hardware.

⁽³⁾ At PB, Digital Engine gauge funding was erroneously reported under two cost elements due to a misunderstanding regarding the installation method. Combined under one CE for DoN16. FY14 funding from OSIP 07-07 Wing Wiring was shifted to OSIP 05-04 T-44 Avionics Obsolescence to fund the total qty of 18 Digital Engine Gauges. Depot installations are delayed due to reduced funding at FRC caused from sequestration and Congressional marks.

⁽⁴⁾ FY15 funding realigned from training equipment to the installation of Digital Engine gauges, due to a change in strategy with respect to simulators and the requirement to fund the installation of the gauges.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series				Modification Number / Title: 2 / OSIP 006-07 TH-57 SAFETY UPGRADE			

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)	34.056	-	9.548	25.799	-	25.799	29.306	28.707	34.459	36.560	37.196	235.631
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	34.056	-	9.548	25.799	-	25.799	29.306	28.707	34.459	36.560	37.196	235.631
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	34.056	-	9.548	25.799	-	25.799	29.306	28.707	34.459	36.560	37.196	235.631
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Description:

The TH-57 is the sole platform for primary and advanced helicopter flight training for student aviators and foreign military pilots (United States Navy, United States Marine Corps, United States Coast Guard). This modernization effort capitalizes on technology improvements to aircraft and Ground Based Training Systems (GBTS) in order to comply with Federal Aviation Administration (FAA) national airspace NextGen requirements by FY20. The effort includes upgrading the aircraft avionics components, installation of a new Automatic Dependent Surveillance -Broadcast (ADS-B) OUT hardware, and procuring new GBTS to satisfy documented requirement gaps. GBTS includes procuring a combination of full flight simulator training devices, cockpit procedural trainers; computer based training courseware and hardware.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The components of this block upgrade will be Commercial off the Shelf.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series				Modification Number / Title: 2 / OSIP 006-07 TH-57 SAFETY UPGRADE				
Models of Systems Affected: TH-57B/C				Modification Type: Conversion/Safety				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: OSIP 006-07 TH-57 SAFETY UPGRADE												
A Kits												
Recurring												
1.1.1) ADS-B Out - NonOrganic ⁽⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	24 / 2.750	24 / 1.100	4 / 0.350	- / -	- / -	52 / 4.200
1.1.2) ADS-B Out Organic - Organic ⁽⁶⁾	- / -	- / -	- / -	10 / 2.200	- / -	10 / 2.200	24 / 2.750	24 / 1.100	12 / 1.050	- / -	- / -	70 / 7.100
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 2.200	- / -	- / 2.200	- / 5.500	- / 2.200	- / 1.400	- / -	- / -	- / 11.300
Non-Recurring												
1.2.1) Installation Kits Non-recurring (organic) - Organic ⁽⁷⁾	4 / 2.656	- / -	4 / 2.920	- / 1.136	- / -	- / 1.136	- / -	- / -	- / -	- / -	- / -	8 / 6.712
Subtotal: Non-Recurring	- / 2.656	- / -	- / 2.920	- / 1.136	- / -	- / 1.136	- / -	- / -	- / -	- / -	- / -	- / 6.712
B Kits												
Recurring												
2.1.1) VHF Radios - NonOrganic	- / -	- / -	126 / 1.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 1.900
2.1.2) Radar Altimeter Kits - NonOrganic ⁽⁸⁾	52 / 1.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 1.215
2.1.3) Radar Altimeter Kits (O-Level Installed) - Organic	70 / 1.636	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 1.636
2.1.4) Installation B Kits - Organic	- / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.020
Subtotal: Recurring	- / 2.871	- / -	- / 1.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.771
Subtotal: OSIP 006-07 TH-57 SAFETY UPGRADE	126 / 5.527	- / -	130 / 4.820	10 / 3.336	- / -	10 / 3.336	48 / 5.500	48 / 2.200	16 / 1.400	- / -	- / -	378 / 22.783
Subtotal: Procurement, All Modification Items	- / 5.527	- / -	- / 4.820	- / 3.336	- / -	- / 3.336	- / 5.500	- / 2.200	- / 1.400	- / -	- / -	- / 22.783
Support (All Modification Items)												
3.1) DATA - Publications ⁽⁹⁾	- / 0.031	- / -	- / -	- / -	- / -	- / -	- / 0.660	- / 0.671	- / 0.683	- / -	- / -	- / 2.045
3.2) Training Equipment - Trainer OFT ⁽¹⁰⁾	- / 10.781	- / -	- / 1.800	- / 18.661	- / -	- / 18.661	- / 18.816	- / 20.052	- / 27.026	- / 32.442	- / 10.136	- / 139.714
3.3) ILS ⁽¹¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.200	- / 1.221	- / -	- / -	- / 2.421
3.4) Other Support ⁽¹²⁾	- / 15.303	- / -	- / 1.728	- / 3.802	- / -	- / 3.802	- / 3.879	- / 3.957	- / 4.037	- / 4.118	- / 27.060	- / 63.884
3.5) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 26.115	- / -	- / 3.528	- / 22.463	- / -	- / 22.463	- / 23.355	- / 25.880	- / 32.967	- / 36.560	- / 37.196	- / 208.064
Installation												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series					Modification Number / Title: 2 / OSIP 006-07 TH-57 SAFETY UPGRADE				
Models of Systems Affected: TH-57B/C				Modification Type: Conversion/Safety				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Modification Item 1 of 1: OSIP 006-07 TH-57 SAFETY UPGRADE													
Subtotal: Installation													
Total													
Total Cost (Procurement + Support + Installation)													

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series				Modification Number / Title: 2 / OSIP 006-07 TH-57 SAFETY UPGRADE				
Modification Item 1 of 1: OSIP 006-07 TH-57 SAFETY UPGRADE												
Manufacturer Information												
Manufacturer Name: TBD - Installation Kits - A Kits ADS-B Out							Manufacturer Location: TBD					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 1					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates				Oct 2016	Oct 2017	Oct 2018						
Delivery Dates				Nov 2016	Nov 2017	Nov 2018						
Manufacturer Name: L-3 Vertex -VHF Radios							Manufacturer Location: Madison, Mississippi					
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 0					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates		Jan 2015										
Delivery Dates		Jan 2015										
Manufacturer Name: L-3 Vertex - Radar Altimeter Kits							Manufacturer Location: Madison, Mississippi					
Administrative Leadtime (in Months): 7							Production Leadtime (in Months): 0					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates		Apr 2015										
Delivery Dates		Apr 2015										
Installation Information												
Method of Implementation: Contractor Field Mod Team:: Installation Name: ADS-B Out												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.451	- / -	- / -	- / -	- / -	24 / 0.451
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.627	- / -	- / -	- / -	24 / 0.627
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.092	- / -	- / -	4 / 0.092
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.451	24 / 0.627	4 / 0.092	- / -	- / -	52 / 1.170

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0549 / Trainer Acft Series					Modification Number / Title: 2 / OSIP 006-07 TH-57 SAFETY UPGRADE									

Modification Item 1 of 1: OSIP 006-07 TH-57 SAFETY UPGRADE

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: ADS-B Out

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	1	1	1	1	-	-	-	-	-	52
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	1	1	1	1	-	-	-	-	-	52

Method of Implementation: Contractor Field Mod Team:: Installation Name: VHF Radios

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	126 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 1.200
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	126 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	126 / 1.200

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	42	42	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126
Out	-	-	-	-	-	-	42	42	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126

Method of Implementation: Contractor Field Mod Team:: Installation Name: Radar Altimeter Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 2.414	- / -	52 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 2.414

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0549 / Trainer Acft Series	Modification Number / Title: 2 / OSIP 006-07 TH-57 SAFETY UPGRADE

Modification Item 1 of 1: OSIP 006-07 TH-57 SAFETY UPGRADE

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Radar Altimeter Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 2.414	- / -	52 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 2.414

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	26	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Out	-	-	-	-	-	-	-	26	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52

Method of Implementation (Organic): Organic - ADS-B Out Organic

Installation Quantity: 70

Method of Implementation (Organic): Not Installed - Installation Kits Non-recurring (organic)

Installation Quantity: 8

Method of Implementation (Organic): Organic - Radar Altimeter Kits (O-Level Installed)

Installation Quantity: 70

Footnotes:

⁽⁵⁾ In FY16 and out, kits will be procured as part of the upgrade to comply with NextGen requirements. Qty of 52 kits will be Depot Level installed. The fluctuation in cost is due to the different quantities of lot purchase.

⁽⁶⁾ FY16 Low Rate Initial Production (LRIP) kits qty (10) are higher costs per unit. The fluctuation in cost throughout the FYDP is due to different quantities of lot purchase.

⁽⁷⁾ Prior years (FY12) Radar Altimeter 4 VAL/VER kits - O level installed. FY15 ADS-B Out 4 VAL/VER kits - O level installed

⁽⁸⁾ Prior years (FY13) funding provided for 126 Radar Altimeter kits. Qty of 52 kits will be Depot Level installed.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0549 / Trainer Acft Series	Modification Number / Title: 2 / OSIP 006-07 TH-57 SAFETY UPGRADE

(9) In FY17, data pubs will be procured as part of the upgrade to comply with NextGen requirements.

(10) FY15 funding added since PB for support to award simulator and courseware upgrades that take place from FY16 and out. Variance per FY relates to the types of devices being procured each year.

(11) In FY18, ILS is required for Information Assurance and Information Technology approval.

(12) The increase in labor from FY15 to FY16 was due to NAWCTSD support required for simulator procurement.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0549 / Trainer Acft Series					Modification Number / Title: 3 / Inactive OSIPs			
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>	51.174	-	-	-	-	-	-	-	-	-	-	51.174
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	51.174	-	-	-	-	-	-	-	-	-	-	51.174
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	51.174	-	-	-	-	-	-	-	-	-	-	51.174
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0549 / Trainer Acft Series			Modification Number / Title: 3 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install						Installation Quantity: 0	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0556 / C-2A					
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>)	456.247	0.885	-	8.157	-	8.157	11.988	11.406	8.376	8.278	0.482	505.819
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	456.247	0.885	-	8.157	-	8.157	11.988	11.406	8.376	8.278	0.482	505.819
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	456.247	0.885	-	8.157	-	8.157	11.988	11.406	8.376	8.278	0.482	505.819
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
 Description: The C-2A(R) Greyhound is a high wing monoplane, twin engine turbo-prop aircraft capable of operating from both a shore base and all operational United States Navy aircraft carrier classes. The mission of the C-2A(R) is to provide rapid response Carrier Onboard Delivery of fleet essential supplies, repair parts, and personnel to sustain at sea operations of deployed battle groups. In addition, the C-2A(R) provides airdrop delivery and mobilization support for special operations forces from land bases and carriers. The design service life of the C-2A(R) was 10,000 flight hours with 15,000 landings. Service Life Extension Program (SLEP) modifications increased the service life to 15,000 flight hours and 36,000 landings and install various upgrades to allow C-2A(R) to meet requirements into the next decade. The overall goal of the modifications is to continue procurement efforts for the Critical Components Program (11-07). Critical Components are composed of Alighting & Landings, Avionics Upgrades, Engine Power & Propulsion, Hydraulic's, and Structural/Pressurization Engineering Change Proposals. The C-2 Critical Brake Upgrade Operational Safety Improvement Program (4-16) provides funding for air vehicle modifications to improve operational ground controllability of C-2A aircraft. There is a total number of 35 C-2A aircraft.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0556 / C-2A			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / 011-07 Critical Components (Mission Performance Enhancements)	P-3a		- / 12.311	- / 0.885	- / -	- / 3.579	- / -	- / 3.579
2 / 004-16 C-2 Critical Brake Upgrade (Mission Performance Enhancements)	P-3a		- / 0.000	- / -	- / -	- / 4.578	- / -	- / 4.578
3 / Inactive OSIPS ()	P-3a		- / 443.936	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 456.247	- / 0.885	- / -	- / 8.157	- / -	- / 8.157
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / 011-07 Critical Components (Mission Performance Enhancements)	P-3a		- / 7.464	- / 6.826	- / 3.712	- / 3.520	- / 0.482	- / 38.779
2 / 004-16 C-2 Critical Brake Upgrade (Mission Performance Enhancements)	P-3a		- / 4.524	- / 4.580	- / 4.664	- / 4.758	- / -	- / 23.104
3 / Inactive OSIPS ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 443.936
Total Gross/Weapon System Cost			- / 11.988	- / 11.406	- / 8.376	- / 8.278	- / 0.482	- / 505.819
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

The Critical Components program will continue through the service life of the airframe, while the the C-2 Critical Brake Upgrade Operational Safety Improvement Program begins in FY16.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 1 / 011-07 Critical Components				

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>)	12.311	0.885	-	3.579	-	3.579	7.464	6.826	3.712	3.520	0.482	38.779
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	12.311	0.885	-	3.579	-	3.579	7.464	6.826	3.712	3.520	0.482	38.779
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	12.311	0.885	-	3.579	-	3.579	7.464	6.826	3.712	3.520	0.482	38.779
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The C-2A(*R) Service Life Extension Program (SLEP) extended the Navy's Carrier Onboard Delivery capability beyond current projected service life. With this longer air vehicle life, problems with other non-SLEP systems require upgrade/modifications. This Operational Safety and Improvement Program procures a portion of the Critical Components avionics, hydraulics, structural, fuel, and power/electrical and propulsion subsystems.

Basis for FY16 request is to procure the ARC-210, Ejector Valve, Transducer, Intercommunication Set (ICS) components and it's associated program support.

Current Active Modifications:
Structural

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 1 / 011-07 Critical Components					
Models of Systems Affected: C-2A(R) Aircraft				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: 011-07 Critical Components													
A Kits													
Recurring													
1.1.1) Structural - Organic	27 / 0.266	6 / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 0.330	
1.1.2) Ejector Valve - Organic	- / -	- / -	- / -	- / -	- / -	- / -	30 / 1.770	30 / 1.770	16 / 0.944	15 / 0.944	- / -	91 / 5.428	
1.1.3) Transducer - Organic	- / -	- / -	- / -	36 / 0.900	- / -	36 / 0.900	- / -	- / -	- / -	- / -	- / -	36 / 0.900	
1.1.4) ICS - Organic	- / -	- / -	- / -	40 / 0.989	- / -	40 / 0.989	100 / 2.545	- / -	- / -	- / -	- / -	140 / 3.534	
1.1.5) ARC-210 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.585	30 / 2.984	20 / 1.988	18 / 1.787	- / -	74 / 7.344	
1.1.6) ARCHIVE Modification - Organic ⁽¹⁾	105 / 4.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	105 / 4.025	
1.1.7) PY Installs - Organic	- / 0.461	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.461	
Subtotal: Recurring	- / 4.752	- / 0.064	- / -	- / 1.889	- / -	- / 1.889	- / 4.900	- / 4.754	- / 2.932	- / 2.731	- / -	- / 22.022	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	8 / 1.637	- / -	- / -	- / 0.597	- / -	- / 0.597	- / 0.325	- / 0.060	- / -	- / -	- / -	8 / 2.619	
Subtotal: Non-Recurring	- / 1.637	- / -	- / -	- / 0.597	- / -	- / 0.597	- / 0.325	- / 0.060	- / -	- / -	- / -	- / 2.619	
B Kits													
Recurring													
2.1.1) Installation Equipment - Organic	- / 0.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.470	
Subtotal: Recurring	- / 0.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.470	
Subtotal: 011-07 Critical Components	140 / 6.859	6 / 0.064	- / -	76 / 2.486	- / -	76 / 2.486	136 / 5.225	60 / 4.814	36 / 2.932	33 / 2.731	- / -	487 / 25.111	
Subtotal: Procurement, All Modification Items	- / 6.859	- / 0.064	- / -	- / 2.486	- / -	- / 2.486	- / 5.225	- / 4.814	- / 2.932	- / 2.731	- / -	- / 25.111	
Support (All Modification Items)													
3.1) Data ⁽²⁾	- / 0.370	- / -	- / -	- / 0.139	- / -	- / 0.139	- / 0.820	- / 0.600	- / -	- / -	- / -	- / 1.929	
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment ⁽³⁾	- / 0.013	- / -	- / -	- / 0.150	- / -	- / 0.150	- / 0.500	- / 0.350	- / 0.100	- / 0.178	- / -	- / 1.291	
3.4) Support Equipment	- / 0.007	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.007	
3.5) ILS ⁽⁴⁾	- / 0.071	- / -	- / -	- / 0.439	- / -	- / 0.439	- / 0.629	- / 0.713	- / 0.294	- / 0.326	- / 0.226	- / 2.698	
3.6) Other Support ⁽⁵⁾	- / 4.991	- / 0.821	- / -	- / 0.365	- / -	- / 0.365	- / 0.290	- / 0.289	- / 0.086	- / 0.085	- / 0.076	- / 7.003	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 5.452	- / 0.821	- / -	- / 1.093	- / -	- / 1.093	- / 2.239	- / 1.952	- / 0.480	- / 0.589	- / 0.302	- / 12.928	
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A					Modification Number / Title: 1 / 011-07 Critical Components				
Models of Systems Affected: C-2A(R) Aircraft				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
	Modification Item 1 of 1: 011-07 Critical Components	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.060	- / 0.300	- / 0.200	- / 0.180	- / 0.740	
	Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.060	- / 0.300	- / 0.200	- / 0.180	- / 0.740	
	Total												
Total Cost (Procurement + Support + Installation)		12.311	0.885	-	3.579	-	3.579	7.464	6.826	3.712	3.520	0.482	38.779

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 1 / 011-07 Critical Components																											
Modification Item 1 of 1: 011-07 Critical Components																																			
Manufacturer Information																																			
Manufacturer Name: Rockwell Collins - ARC-210							Manufacturer Location: New MFG - Loc																												
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 8																												
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																												
Contract Dates				Mar 2017	Mar 2018	Mar 2019	Mar 2020																												
Delivery Dates				Nov 2017	Nov 2018	Nov 2019	Nov 2020																												
Installation Information																																			
Method of Implementation: Depot Field Mod Team:: Installation Name: ARC-210																																			
Installation Cost	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																							
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																							
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.060	- / -	- / -	- / -	6 / 0.060																							
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 0.300	- / -	- / -	30 / 0.300																							
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.200	- / -	20 / 0.200																							
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.180	18 / 0.180																							
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																							
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.060	30 / 0.300	20 / 0.200	18 / 0.180	74 / 0.740																							
Installation Schedule																																			
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	10	10	10	-	10	10	-	-	18	74				
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	10	10	10	-	10	10	-	-	18	74				
Method of Implementation (Organic): Organic - Structural																																Installation Quantity: 33			
Method of Implementation (Organic): Organic - Ejector Valve																																		Installation Quantity: 91	
Method of Implementation (Organic): Organic - Transducer																																Installation Quantity: 36			

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0556 / C-2A	Modification Number / Title: 1 / 011-07 Critical Components
<i>Modification Item 1 of 1:</i> 011-07 Critical Components		
Installation Information		
Method of Implementation (Organic): Organic - ICS		Installation Quantity: 140
Method of Implementation (Organic): Not Installed - ARCHIVE Modification		Installation Quantity: 105
Method of Implementation (Organic): Not Installed - Installation Kits N/R		Installation Quantity: 8
Footnotes: (1) All installs are in the PYs, please see PY install cost element. (2) Multiple ECP's are starting within the Critical Components program, so funding cannot be analyzed at a level inflation rate. (3) Multiple ECP's are starting within the Critical Components program, so funding cannot be analyzed at a level inflation rate. (4) Multiple ECP's are starting within the Critical Components program, so funding cannot be analyzed at a level inflation rate. (5) Multiple ECP's are starting within the Critical Components program, so funding cannot be analyzed at a level inflation rate.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A					Modification Number / Title: 2 / 004-16 C-2 Critical Brake Upgrade			

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>	0.000	-	-	4.578	-	4.578	4.524	4.580	4.664	4.758	-	23.104
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	4.578	-	4.578	4.524	4.580	4.664	4.758	-	23.104
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	4.578	-	4.578	4.524	4.580	4.664	4.758	-	23.104
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The C-2A (R) Greyhound Critical Brake Upgrade adds an Anti-Skid Brake System (ABS) to the aircraft which enhances ground controllability for all operational runway conditions and lengths including aborted takeoffs.

C-2A(R) Critical Brake Upgrade is an FY16 new start. Basis for FY16 request is to procure 7 Ground Controllability kits and it's associated program support.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review completed 3RD QTR of FY13. Critical Design Review completed 4TH QTR of FY13. Flight Testing will begin 2ND QTR of FY15.

NOTE: Due to the delayed start and funding adjustment to the C-2 RDT&E program, the Critical Brake Upgrade OSIP was adjusted from FY-14 to FY-16.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 2 / 004-16 C-2 Critical Brake Upgrade				
Models of Systems Affected: C-2A(R) Aircraft				Modification Type: Mission Performance Enhancements				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement												
<i>Modification Item 1 of 1:</i> 004-16 C-2 Critical Brake Upgrade												
A Kits												
Recurring												
1.1.1) Critical Brakes - NonOrganic	- / -	- / -	- / -	6 / 1.005	- / -	6 / 1.005	9 / 1.548	9 / 1.575	9 / 1.596	- / -	- / -	33 / 5.724
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / 1.005	- / -	- / 1.005	- / 1.548	- / 1.575	- / 1.596	- / -	- / -	- / 5.724
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / -	- / -	- / -	1 / 0.170	- / -	1 / 0.170	- / -	- / -	- / -	- / -	- / -	1 / 0.170
<i>Subtotal: Non-Recurring</i>	- / 0.000	- / -	- / -	- / 0.170	- / -	- / 0.170	- / -	- / -	- / -	- / -	- / -	- / 0.170
<i>Subtotal: 004-16 C-2 Critical Brake Upgrade</i>	- / -	- / -	- / -	7 / 1.175	- / -	7 / 1.175	9 / 1.548	9 / 1.575	9 / 1.596	- / -	- / -	34 / 5.894
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / 1.175	- / -	- / 1.175	- / 1.548	- / 1.575	- / 1.596	- / -	- / -	- / 5.894
Support (All Modification Items)												
3.1) Data	- / -	- / -	- / -	- / 0.136	- / -	- / 0.136	- / 0.110	- / -	- / -	- / -	- / -	- / 0.246
3.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) ILS	- / -	- / -	- / -	- / 0.333	- / -	- / 0.333	- / 0.338	- / 0.343	- / 0.349	- / 0.413	- / -	- / 1.776
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment	- / -	- / -	- / -	- / 0.568	- / -	- / 0.568	- / 0.050	- / -	- / -	- / -	- / -	- / 0.618
3.6) Other Support	- / -	- / -	- / -	- / 2.366	- / -	- / 2.366	- / 1.981	- / 2.011	- / 2.057	- / 3.671	- / -	- / 12.086
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / 3.403	- / -	- / 3.403	- / 2.479	- / 2.354	- / 2.406	- / 4.084	- / -	- / 14.726
Installation												
<i>Modification Item 1 of 1:</i> 004-16 C-2 Critical Brake Upgrade	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.497	- / 0.651	- / 0.662	- / 0.674	- / -	- / 2.484
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.497	- / 0.651	- / 0.662	- / 0.674	- / -	- / 2.484
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	4.578	-	4.578	4.524	4.580	4.664	4.758	-	23.104

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 2 / 004-16 C-2 Critical Brake Upgrade																											
Modification Item 1 of 1: 004-16 C-2 Critical Brake Upgrade																																			
Manufacturer Information																																			
Manufacturer Name: Critical Brake Upgrade							Manufacturer Location: New MFG - Loc																												
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 12																												
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																												
Contract Dates			Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019																												
Delivery Dates			Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020																												
Installation Information																																			
Method of Implementation: Field Mod Team:: Installation Name: Critical Brake Upgrade																																			
Installation Cost	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																							
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																						
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.497	- / -	- / -	- / -	- / -	- / -	6 / 0.497																						
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.651	- / -	- / -	- / -	- / -	9 / 0.651																						
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.662	- / -	- / -	- / -	9 / 0.662																						
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.674	- / -	- / -	9 / 0.674																						
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
Total	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.497	9 / 0.651	9 / 0.662	9 / 0.674	- / -	- / -	33 / 2.484																						
Installation Schedule																																			
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	3	2	2	2	3	2	2	2	3	2	2	2	-	33				
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	3	2	2	2	3	2	2	2	3	2	2	2	-	33				
Method of Implementation (Organic): Not Installed - Installation Kits N/R																																Installation Quantity: 1			

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A					Modification Number / Title: 3 / Inactive OSIPS			
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>	443.936	-	-	-	-	-	-	-	-	-	-	443.936
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	443.936	-	-	-	-	-	-	-	-	-	-	443.936
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	443.936	-	-	-	-	-	-	-	-	-	-	443.936
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0556 / C-2A				Modification Number / Title: 3 / Inactive OSIPS					
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: N/A													
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
3.1) Inactive OSIPs	- / 443.936	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 443.936	
Subtotal: Support	- / 443.936	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 443.936	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	443.936	-	-	-	-	-	-	-	-	-	-	443.936	

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0556 / C-2A			Modification Number / Title: 3 / Inactive OSIPS	
<i>Modification Item 1 of 1:</i> N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation						Installation Quantity: 0	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0560 / C-130 Series					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 433			Item MDAP/MAIS Code(s):									
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>)	440.495	46.325	35.522	70.335	-	70.335	50.352	63.892	90.196	92.600	501.935	1,391.652
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	440.495	46.325	35.522	70.335	-	70.335	50.352	63.892	90.196	92.600	501.935	1,391.652
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	440.495	46.325	35.522	70.335	-	70.335	50.352	63.892	90.196	92.600	501.935	1,391.652
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION: This item funds modifications to C/KC-130 aircraft. The Lockheed C/KC-130 aircraft is a four engine, high-wing, all metal, long range, land based monoplane capable of all weather transport of cargo or personnel and in-flight refueling. There are currently 94 aircraft in the Navy and Marine Corps inventory (46 active and 48 reserve). The expected Service Life is as follows: T/M/S Service Date Service Life Expected Life C-130T 10/91 - 11/95 450 mos. 2028-2032 KC-130F 03/60 - 11/62 600 Mos. 2019-2022 KC-130R 09/75 - 06/78 480 mos. 2015-2017 KC-130T 04/84 - 02/96 450 mos. 2021-2033 KC-130J 09/00 - 10/26 450 mos. 2037-2063												
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020		
Navy	Quantity	-	-	-	-	-	-	-	-	-	-	
	Total Obligation Authority	27.414	16.741	48.028	-	48.028	29.408	43.599	69.393	71.384		
NR	Quantity	-	-	-	-	-	-	-	-	-	-	
	Total Obligation Authority	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216		
Total:	Quantity	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0560 / C-130 Series					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:				
Line Item MDAP/MAIS Code: 433		Item MDAP/MAIS Code(s):								
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	46.325	35.522	70.335	-	70.335	50.352	63.892	90.196	92.600

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0560 / C-130 Series

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

Line Item MDAP/MAIS Code: 433	Item MDAP/MAIS Code(s):

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)
1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07) (Performance Enhancement)	P-3a		- / 129.987	- / 21.228	- / 8.366	- / 7.698	- / -	- / 7.698
2 / Avionics /Obsolescence Upgrades (OSIP 008-12) (Safety / Readiness)	P-3a		- / 28.555	- / 18.911	- / 18.781	- / 22.307	- / -	- / 22.307
3 / Electronic Counter Measures (OSIP 020-12) (Safety)	P-3a		- / 48.258	- / 1.731	- / 2.909	- / 19.285	- / -	- / 19.285
4 / Hose Reel Reliability Improvements (OSIP 007-13) (Reliability / Safety)	P-3a		- / 2.299	- / 1.364	- / 0.964	- / -	- / -	- / -
5 / Technical Insertion (OSIP 019-14) (Capability)	P-3a		- / 0.000	- / 3.091	- / 4.502	- / 21.045	- / -	- / 21.045
6 / Inactive OSIPs ()	P-3a		- / 231.396	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 440.495	- / 46.325	- / 35.522	- / 70.335	- / -	- / 70.335

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07) (Performance Enhancement)	P-3a		- / 4.660	- / 4.056	- / 8.020	- / 4.445	- / -	- / 188.460
2 / Avionics /Obsolescence Upgrades (OSIP 008-12) (Safety / Readiness)	P-3a		- / 20.944	- / 20.293	- / 20.803	- / 21.216	- / 29.919	- / 201.729
3 / Electronic Counter Measures (OSIP 020-12) (Safety)	P-3a		- / 4.881	- / -	- / 9.083	- / 7.909	- / 278.615	- / 372.671
4 / Hose Reel Reliability Improvements (OSIP 007-13) (Reliability / Safety)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 4.627
5 / Technical Insertion (OSIP 019-14) (Capability)	P-3a		- / 19.867	- / 39.543	- / 52.290	- / 59.030	- / 193.401	- / 392.769
6 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 231.396
Total Gross/Weapon System Cost			- / 50.352	- / 63.892	- / 90.196	- / 92.600	- / 501.935	- / 1,391.652

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

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

Justification:

Basis for FY2016 Budget request: Provides funding to procure aircraft modifications for the C/KC-130 program.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)			

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)	129.987	21.228	8.366	7.698	-	7.698	4.660	4.056	8.020	4.445	-	188.460
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	129.987	21.228	8.366	7.698	-	7.698	4.660	4.056	8.020	4.445	-	188.460
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	129.987	21.228	8.366	7.698	-	7.698	4.660	4.056	8.020	4.445	-	188.460
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The KC-130 provides air-to-air refueling, rapid ground refueling, tactical troop transport, aerial delivery of personnel and cargo, airborne radio relay, tactical aero-medical evacuation, intelligence, surveillance, and reconnaissance (ISR), and Close Air Support (CAS). The objective of this effort is to integrate an Intelligence, Surveillance & Reconnaissance (ISR) Weapon System Kit into the KC-130J aircraft which provides an armed capability to provide intra-theatre suppressive fire support for ground troops as well as intelligence and reconnaissance capability for theatre commanders. KC-130Js have been continuously deployed in support of world-wide combat operations providing multi-mission, tactical aerial refueling, and fixed-wing assault support. This added capability will provide the Marine Air-Ground Task Force Commander increased capability for real time intelligence gathering and an armed capability for targets of opportunity and suppressive fire-support. The ISR/Weapon System Kit will consist of a ISR pod, wing mounted air-to-ground missiles and air-to-ground precision guided munitions. The system will be configured as a Roll-On/Roll-Off capability to allow for rapid deployment. The program will leverage off of current technology/fielded systems to provide rapid integration of this new capability. Future capabilities will include video datalink connectivity, satellite communications, Hellfire P4/N4 compatibility, recovery of external fuel stores, recovery of dual Air-to-Air refueling systems, correction of human factors issues, Joint Air to Ground Munitions (JAGM), and small diameter bombs and will address obsolescence, test platform, and capability gaps.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The KC-130J ISR/Weapons Mission Kit configuration provides Intelligence, Surveillance & Reconnaissance (ISR) Weapon System Capability and Close Air Support capability through both wing mounted munitions and cargo door mounted Standoff Precision Guided Munitions. The 6 baseline ISR/Weapons Mission Kits and 10 baseline aircraft modifications completed production in FY14. This OSIP provides funding to address obsolescence issues [replace Target Sight Systems (TSS) with MX-20s, update Battle Management System (BMS) for Hellfire P4/N4 variant missiles], human factors issues, and fleet capability gaps (recover external fuel stores, recover dual Air-to-Air refueling systems, tactical datalink gap, and communications gap) . A-Kits and B-Kits in FY16-FY19 address fleet capability gaps.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)					
Models of Systems Affected: C/KC-130T/J				Modification Type: Performance Enhancement				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)													
A Kits													
Recurring													
1.1.1) HH+ (VDL) A Kit - NonOrganic ⁽¹⁾	- / -	- / -	9 / 3.375	1 / 0.375	- / -	1 / 0.375	- / -	- / -	- / -	- / -	- / -	10 / 3.750	
1.1.2) BLOS A Kit - NonOrganic ⁽²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.308	6 / 0.468	- / -	- / -	10 / 0.776	
1.1.3) Archive - Organic ⁽³⁾	- / 24.959	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.959	
Subtotal: Recurring	- / 24.959	- / -	- / 3.375	- / 0.375	- / -	- / 0.375	- / -	- / 0.308	- / 0.468	- / -	- / -	- / 29.485	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 0.328	- / 5.092	- / 2.704	- / 0.772	- / -	- / 0.772	- / 0.386	- / -	- / -	- / -	- / -	- / 9.282	
Subtotal: Non-Recurring	- / 0.328	- / 5.092	- / 2.704	- / 0.772	- / -	- / 0.772	- / 0.386	- / -	- / -	- / -	- / -	- / 9.282	
B Kits													
Recurring													
2.1.1) HH+ (VDL) B Kit - Organic	5 / 11.386	1 / 2.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 13.469	
2.1.2) TSS / MX-20 Sensor Kit - Organic ⁽⁴⁾	11 / 24.368	2 / 3.784	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 28.152	
2.1.3) BLOS B Kit - Organic ⁽⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.332	- / -	5 / 1.720	- / -	- / -	6 / 2.052	
2.1.4) GFE - Organic	- / 2.540	- / 1.511	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.051	
2.1.5) Archive - Organic ⁽⁶⁾	- / 45.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 45.369	
Subtotal: Recurring	- / 83.663	- / 7.378	- / -	- / -	- / -	- / -	- / 0.332	- / -	- / 1.720	- / -	- / -	- / 93.093	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 5.275	- / 2.849	- / 0.540	- / 0.289	- / -	- / 0.289	- / 0.416	- / 0.345	- / -	- / -	- / -	- / 9.714	
Subtotal: Non-Recurring	- / 5.275	- / 2.849	- / 0.540	- / 0.289	- / -	- / 0.289	- / 0.416	- / 0.345	- / -	- / -	- / -	- / 9.714	
Subtotal: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)	16 / 114.225	3 / 15.319	9 / 6.619	1 / 1.436	- / -	1 / 1.436	1 / 1.134	4 / 0.653	11 / 2.188	- / -	- / -	45 / 141.574	
Subtotal: Procurement, All Modification Items	- / 114.225	- / 15.319	- / 6.619	- / 1.436	- / -	- / 1.436	- / 1.134	- / 0.653	- / 2.188	- / -	- / -	- / 141.574	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.035	- / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.090	
3.2) Data	- / 0.294	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.150	- / -	- / -	- / 0.444	
3.3) Training Equipment	- / 1.049	- / -	- / -	- / 0.607	- / -	- / 0.607	- / 0.625	- / -	- / 1.464	- / 0.704	- / -	- / 4.449	
3.4) Support Equipment	- / 1.483	- / 0.198	- / -	- / -	- / -	- / -	- / -	- / 0.233	- / -	- / -	- / -	- / 1.914	
3.5) ILS	- / 1.583	- / 0.821	- / 0.728	- / 0.871	- / -	- / 0.871	- / 0.891	- / 0.915	- / 0.942	- / 0.971	- / -	- / 7.722	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)					
Models of Systems Affected: C/KC-130T/J				Modification Type: Performance Enhancement				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.6) Other Support	- / 6.103	- / 3.235	- / 1.019	- / 1.628	- / -	- / 1.628	- / 1.653	- / 1.703	- / 1.753	- / 1.806	- / -	- / 18.900	
3.7) Interim Contractor Support	- / 5.215	- / 1.600	- / -	- / 0.350	- / -	- / 0.350	- / 0.357	- / 0.363	- / 0.371	- / 0.379	- / -	- / 8.635	
Subtotal: Support	- / 15.762	- / 5.909	- / 1.747	- / 3.456	- / -	- / 3.456	- / 3.526	- / 3.214	- / 4.680	- / 3.860	- / -	- / 42.154	
Installation													
Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)	- / 0.000	- / -	- / -	- / 2.806	- / -	- / 2.806	- / -	- / 0.189	- / 1.152	- / 0.585	- / -	- / 4.732	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 2.806	- / -	- / 2.806	- / -	- / 0.189	- / 1.152	- / 0.585	- / -	- / 4.732	
Total													
Total Cost (Procurement + Support + Installation)	129.987	21.228	8.366	7.698	-	7.698	4.660	4.056	8.020	4.445	-	188.460	
</													

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Manufacturer Information

Manufacturer Name: Sierra Nevada Corporation - HH+	Manufacturer Location: Patuxent River MD
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 11

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Oct 2014	Oct 2015				
Delivery Dates		Oct 2015	Aug 2016				

Manufacturer Name: TBD - BLOS	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 7

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates					Dec 2017	Dec 2018	
Delivery Dates					Jul 2018	May 2019	

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: HH+ (VDL) A Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	9 / 2.525	- / -	9 / 2.525	- / -	- / -	- / -	- / -	- / -	9 / 2.525
FY 2016	- / -	- / -	- / -	1 / 0.281	- / -	1 / 0.281	- / -	- / -	- / -	- / -	- / -	1 / 0.281
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	10 / 2.806	- / -	10 / 2.806	- / -	- / -	- / -	- / -	- / -	10 / 2.806

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	-	-	-	-	-	-	-	-	-	-	2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Installation Information

Method of Implementation: [none specified]:: Installation Name: BLOS A Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.189	3 / 0.576	- / -	- / -	4 / 0.765
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.576	3 / 0.585	- / -	6 / 1.161
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.189	6 / 1.152	3 / 0.585	- / -	10 / 1.926

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	1	2	1	-	-	-	-	10
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	1	2	1	-	-	-	10

Method of Implementation (Organic): Organic - HH+ (VDL) B Kit	Installation Quantity: 6

Method of Implementation (Organic): Organic - TSS / MX-20 Sensor Kit	Installation Quantity: 13

Method of Implementation (Organic): Not Installed - BLOS B Kit	Installation Quantity: 6

Footnotes:

- (1) FY15/FY16 includes 10 VDL A Kits.
- (2) FY18 and FY19 include 10 Beyond Line of Sight (BLOS) Data Link A Kits.
- (3) PY (24.959) includes 10 ISR/Weapon Mission A Kits and 10 SOPGM A Kits.
- (4) Kit cost based on the upgrade requirement in each FY; not by the inflation factor. PY includes 7 TSS sensors and 4 MX-20s. FY14 includes 2 MX-20s.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

⁽⁵⁾ FY17 and FY19 include 6 Beyond Line of Sight (BLOS) Data Link B Kits.

⁽⁶⁾ PY (45.369) includes 6 ISR/Weapon B Kits and 6 SOPGM B Kits. PY increase in funding due to shift in HQMC priorities.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series						Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)		
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>)	28.555	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216	29.919	201.729
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	28.555	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216	29.919	201.729
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	28.555	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216	29.919	201.729
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION: Objective of the Avionics/Obsolescence Upgrades (AOU) Operational, Safety and Improvement Program is to preserve the world-wide capabilities of the C/KC-130 aircraft by providing required capability enhancements and addressing obsolescence. The legacy C/KC-130T and KC-130F model aircraft have been in service for 21 and 45 years respectively and still retain many of their original systems which require upgrade to increase mission readiness, meet Communication, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) requirements and address obsolescence issues. In addition obsolescence / Diminishing Manufacturing Sources (DMS) issues are already being realized on the KC-130J aircraft and will have to be addressed in the near future. These upgrades will include faster, more robust processing systems and integrated displays enabling compliance with CNS/ATM requirements. It will provide a growth path to Mode 5 and Joint Precision Landing systems. It will replace numerous avionics systems: radar, Tactical Air Navigation , data recorders, and gauges due to obsolescence or DMS. These upgrades will provide open-systems architecture and interfaces necessary to integrate Real-Time Information in the Cockpit. Changes will also be incorporated into existing training devices. In addition, obsolescence issues with the propeller synchrophaser and valve housing are the C/KC-130T top ten readiness degraders. Modification of these propeller control components via an Electronic Propeller Control System upgrade will mitigate this readiness degrader. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: AOU program affecting 20 C-130T aircraft is post MS-C, LRIP 1 approved. Government is Lead Systems Integrator for AOU, performing the majority of the NRE and installation of the validation and verification aircraft kits. One kit (Validation) will be installed by the Government followed by Govt Developmental Test (DT), followed by a second aircraft (Verification) installed by the Government and 18 production installations. Contract awarded for software integration NRE and non-developmental systems in September 2012. USMC KC-130T aircraft may require this upgrade as well, dependant upon status of transition to KC-130J aircraft.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)				
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety / Readiness				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)												
A Kits												
Recurring												
1.1.1) A Kits - NonOrganic	- / 0.050	- / -	2 / 1.174	1 / 0.599	- / -	1 / 0.599	4 / 2.447	4 / 2.496	3 / 1.909	3 / 1.947	1 / 0.662	18 / 11.284
Subtotal: Recurring	- / 0.050	- / -	- / 1.174	- / 0.599	- / -	- / 0.599	- / 2.447	- / 2.496	- / 1.909	- / 1.947	- / 0.662	- / 11.284
B Kits												
Recurring												
2.1.1) B Kits - Organic ⁽⁷⁾	- / -	- / -	2 / 5.724	1 / 3.101	- / -	1 / 3.101	4 / 13.168	3 / 10.062	3 / 10.303	3 / 10.506	2 / 8.170	18 / 61.034
Subtotal: Recurring	- / 0.000	- / -	- / 5.724	- / 3.101	- / -	- / 3.101	- / 13.168	- / 10.062	- / 10.303	- / 10.506	- / 8.170	- / 61.034
Non-Recurring												
2.2.1) NRE/TEST - Government - NonOrganic ⁽⁸⁾	1 / 4.594	1 / 4.951	- / 2.547	- / 8.960	- / -	- / 8.960	- / 1.124	- / -	- / -	- / -	- / -	2 / 22.176
2.2.2) NRE - Contractor - Organic ⁽⁹⁾	- / 17.870	- / 12.400	- / 7.904	- / 3.748	- / -	- / 3.748	- / 0.983	- / -	- / -	- / -	- / -	- / 42.905
Subtotal: Non-Recurring	- / 22.464	- / 17.351	- / 10.451	- / 12.708	- / -	- / 12.708	- / 2.107	- / -	- / -	- / -	- / -	- / 65.081
Subtotal: Avionics /Obsolescence Upgrades (OSIP 008-12)	1 / 22.514	1 / 17.351	4 / 17.349	2 / 16.408	- / -	2 / 16.408	8 / 17.722	7 / 12.558	6 / 12.212	6 / 12.453	3 / 8.832	38 / 137.399
Subtotal: Procurement, All Modification Items	- / 22.514	- / 17.351	- / 17.349	- / 16.408	- / -	- / 16.408	- / 17.722	- / 12.558	- / 12.212	- / 12.453	- / 8.832	- / 137.399
Support (All Modification Items)												
3.1) Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.710	- / -	- / 0.710
3.2) Data	- / 0.478	- / -	- / -	- / 0.683	- / -	- / 0.683	- / 0.139	- / -	- / 0.028	- / 0.400	- / -	- / 1.728
3.3) Training Equipment ⁽¹⁰⁾	- / 0.109	- / -	- / -	- / 0.299	- / -	- / 0.299	- / -	- / -	- / -	- / -	- / 10.211	- / 10.619
3.4) Support Equipment	- / 0.044	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.315	- / -	- / 0.359
3.5) ILS	- / 0.349	- / -	- / -	- / 0.721	- / -	- / 0.721	- / 0.731	- / -	- / 0.417	- / 0.758	- / 1.530	- / 4.506
3.6) Other Support	- / 5.061	- / -	- / -	- / 0.456	- / -	- / 0.456	- / 0.444	- / -	- / 0.204	- / 0.505	- / 1.042	- / 7.712
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 6.041	- / -	- / -	- / 2.159	- / -	- / 2.159	- / 1.314	- / -	- / 0.649	- / 2.688	- / 12.783	- / 25.634
Installation												
Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)	- / 0.000	- / 1.560	- / 1.432	- / 3.740	- / -	- / 3.740	- / 1.908	- / 7.735	- / 7.942	- / 6.075	- / 8.304	- / 38.696
Subtotal: Installation	- / 0.000	- / 1.560	- / 1.432	- / 3.740	- / -	- / 3.740	- / 1.908	- / 7.735	- / 7.942	- / 6.075	- / 8.304	- / 38.696
Total												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)				
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety / Readiness					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
	Total Cost (Procurement + Support + Installation)	28.555	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216	29.919	201.729

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0560 / C-130 Series			Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)		

Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)

Manufacturer Information

Manufacturer Name: Multiple	Manufacturer Location: TBD - A Kits
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014	Apr 2015	Jan 2016	Oct 2016	Oct 2017	Oct 2018	Oct 2019
Delivery Dates	Apr 2015	Apr 2016	Jan 2017	Oct 2017	Oct 2018	Oct 2019	Oct 2020

Installation Information

Method of Implementation: Contractor Drive-In Modifications:: Installation Name: Avionics/Obsolescence Upgrades

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	1 / 1.560	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.560
FY 2014	- / -	- / -	1 / 1.432	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.432
FY 2015	- / -	- / -	- / -	2 / 3.740	- / -	2 / 3.740	- / -	- / -	- / -	- / -	- / -	2 / 3.740
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.908	- / -	- / -	- / -	- / -	1 / 1.908
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.735	- / -	- / -	- / -	4 / 7.735
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.942	- / -	- / -	4 / 7.942
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.075	- / -	3 / 6.075
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.228	3 / 6.228
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.076	1 / 2.076
Total	- / -	1 / 1.560	1 / 1.432	2 / 3.740	- / -	2 / 3.740	1 / 1.908	4 / 7.735	4 / 7.942	3 / 6.075	4 / 8.304	20 / 38.696

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	1	-	-	-	1	-	-	1	1	-	-	1	-	-	1	2	1	-	1	2	1	-	1	1	1	-	4	20
Out	-	-	-	-	1	-	-	-	1	-	-	1	1	-	-	1	-	-	1	2	1	-	1	2	1	-	1	1	1	4	20

Method of Implementation (Organic): Organic - B Kits

Installation Quantity: 18

Footnotes:

⁽⁷⁾ Increase to B Kit cost in FY16 due to expiration of FFP pricing under existing contract.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)

(8) The cost for the Validation Kit (FY14) and Verification Kit (FY15) is embedded in NRE cost in the year prior respectively. DT test begins in FY16 and concludes in FY17.

(9) Funds all phases of the software integration contract.

(10) Funds material necessary to perform 2F107 full motion operational flight trainer modification required for FOC.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)

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>	48.258	1.731	2.909	19.285	-	19.285	4.881	-	9.083	7.909	278.615	372.671
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	48.258	1.731	2.909	19.285	-	19.285	4.881	-	9.083	7.909	278.615	372.671
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	48.258	1.731	2.909	19.285	-	19.285	4.881	-	9.083	7.909	278.615	372.671
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The KC-130 provides air-to-air refueling, rapid ground refueling, tactical troop transport, aerial delivery of personnel and cargo, airborne radio relay, tactical aero-medical evacuation, intelligence, surveillance, and reconnaissance (ISR), and Close Air Support (CAS). This OSIP provides funding for the addition of new Aircraft Survivability Equipment (ASE), including Large Aircraft Infrared Counter Measures (LAIRCM) with Advanced Threat Warning (ATW) and LAIRCM Enhanced Situational Awareness (LESA), to the KC-130J Aircraft which will increase survivability and allow the aircraft to operate under expanded threat environments, thereby increasing combat effectiveness. Aircraft operations, such as Harvest HAWK missions, include exposure to threats against which the current ASE is not effective. The addition of LAIRCM (ATW) to the KC-130J expands the aircrafts capability to perform its core Mission Essential Tasking in any infrared threat environment. This OSIP also provides funding to ensure the most effective threat adaptive, reprogrammable, computer controlled threat defeating capabilities for the Defensive Electronic Counter Measures (DECM) portion of the ASE to increase combat effectiveness.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The USMC is leveraging off of integration development and testing performed by the USAF to provide LAIRCM for its C-130J and HC/MC-130J to minimize Non-Recurring Engineering (NRE), test, and installation costs. The USMC is also leveraging off of DoN LAIRCM platforms to provide a common solution among naval platforms and to reduce Operations and Support (O&S) costs. Modification of aircraft will be performed as a Drive-In Modification.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)				
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)												
A Kits												
Recurring												
1.1.1) LAIRCM A Kit - NonOrganic ⁽¹¹⁾	15 / 3.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 6.421	8 / 6.544	24 / 22.209	55 / 38.590
Subtotal: Recurring	- / 3.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.421	- / 6.544	- / 22.209	- / 38.590
Non-Recurring												
1.2.1) NRE - Government - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.387	- / 0.387
1.2.2) NRE - Contractor - Organic ⁽¹²⁾	- / 11.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.420	- / 14.586
Subtotal: Non-Recurring	- / 11.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.807	- / 14.973
B Kits												
Recurring												
2.1.1) LAIRCM B Kit - Organic ⁽¹³⁾	12 / 15.885	2 / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 153.744	58 / 170.901
2.1.2) Meons - Organic	6 / 0.526	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.574	9 / 1.096	20 / 2.196
Subtotal: Recurring	- / 16.411	- / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.574	- / 154.840	- / 173.097
Non-Recurring												
2.2.2) NRE Contractor - Organic	- / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.912
Subtotal: Non-Recurring	- / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.912
Subtotal: Electronic Counter Measures (OSIP 020-12)	33 / 41.905	2 / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	8 / 6.421	13 / 7.118	77 / 180.856	133 / 237.572
Subtotal: Procurement, All Modification Items	- / 41.905	- / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.421	- / 7.118	- / 180.856	- / 237.572
Support (All Modification Items)												
3.1) Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.925	- / 26.925
3.2) Data	- / -	- / -	- / 0.250	- / 0.689	- / -	- / 0.689	- / -	- / -	- / -	- / -	- / 0.295	- / 1.234
3.3) Training Equipment	- / -	- / -	- / 1.269	- / 2.523	- / -	- / 2.523	- / -	- / -	- / 1.257	- / -	- / -	- / 5.049
3.4) Support Equipment	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050
3.5) ILS	- / 0.452	- / 0.170	- / 0.695	- / 0.725	- / -	- / 0.725	- / 0.538	- / -	- / 0.540	- / 0.304	- / 1.330	- / 4.754
3.6) Other Support	- / 5.851	- / 0.289	- / 0.695	- / 0.734	- / -	- / 0.734	- / 0.689	- / -	- / 0.865	- / 0.487	- / 7.957	- / 17.567
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 6.353	- / 0.459	- / 2.909	- / 4.671	- / -	- / 4.671	- / 1.227	- / -	- / 2.662	- / 0.791	- / 36.507	- / 55.579
Installation												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)			
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety					Related RDT&E PEs:				
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)	- / 0.000	- / -	- / -	- / 14.614	- / -	- / 14.614	- / 3.654	- / -	- / -	- / -	- / 61.252	- / 79.520	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 14.614	- / -	- / 14.614	- / 3.654	- / -	- / -	- / -	- / 61.252	- / 79.520	
Total													
Total Cost (Procurement + Support + Installation)	48.258	1.731	2.909	19.285	-	19.285	4.881	-	9.083	7.909	278.615	372.671	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)																							
Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin - LAIRCM							Manufacturer Location: Marietta, GA																								
Administrative Leadtime (in Months): 8							Production Leadtime (in Months): 32																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates						May 2019																									
Delivery Dates						Jan 2022																									
Installation Information																															
Method of Implementation: Contractor Drive-In Modification:: Installation Name: LAIRCM A Kit																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	- / -	- / -	- / -	13 / 14.614	- / 0.000	13 / 14.614	2 / 3.654	- / -	- / -	- / -	- / -	15 / 18.268																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 12.250	8 / 12.250																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 12.251	8 / 12.251																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 36.751	24 / 36.751																			
Total	- / -	- / -	- / -	13 / 14.614	- / -	13 / 14.614	2 / 3.654	- / -	- / -	- / -	40 / 61.252	55 / 79.520																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	5	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	55
Out	-	-	-	-	-	-	-	-	-	-	-	5	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	55
Method of Implementation (Organic): Not Installed - LAIRCM B Kit														Installation Quantity: 58																	
Method of Implementation (Organic): Not Installed - Meons														Installation Quantity: 20																	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)

Footnotes:

(11) Aircraft equipped with A Kits can operate with or without B Kits. 15 A Kits procured via sole source contract will be delivered in FY16/17.

(12) The cost for the Validation Kit, TKI Kit, and Verification Kit and associated installation is embedded in the NRE cost in PY.

(13) Kit cost based on required components in each FY; not by the inflation factor.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 4 / Hose Reel Reliability Improvements (OSIP 007-13)

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>)	2.299	1.364	0.964	-	-	-	-	-	-	-	-	4.627
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2.299	1.364	0.964	-	-	-	-	-	-	-	-	4.627
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.299	1.364	0.964	-	-	-	-	-	-	-	-	4.627
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The KC-130 provides air-to-air refueling, rapid ground refueling, tactical troop transport, aerial delivery of personnel and cargo, airborne radio relay, tactical aero-medical evacuation, intelligence, surveillance, and reconnaissance (ISR), and Close Air Support (CAS). Aerial refueling missions utilize wing mounted refueling pods for refueling high speed and low speed aircraft. The Hose Reel Reliability Improvement program will address the #3 KC-130 readiness degrader by installing a cycle counter to help establish scheduled maintenance/overhaul schedules vice fly to failure replacement while standardizing the configuration of Hose Reels in the KC-130 Fleet. This program will increase Hose Reel reliability as well as increase overall aerial refueling readiness. In addition, it will improve aerial refueling safety, particularly for MV-22 and Joint Strike Fighter. These efforts will also mitigate risk of catastrophic failure which could lead to loss of aircraft and crew.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The cycle counter being installed in the KC-130J Hose Reel is a Commercial Off the Shelf item that will allow Hose Reel deployment cycles to being counted and will assist in establishing routine maintenance cycles vice fly to failure. Updating the Hose Reels to a -110 configuration will occur simultaneously with the counter installation which will allow for refueling of the MV-22 and the Joint Strike Fighter. This effort will be done organically.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 4 / Hose Reel Reliability Improvements (OSIP 007-13)					
Models of Systems Affected: KC-130T/J				Modification Type: Reliability / Safety				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Hose Reel Reliability Improvements (OSIP 007-13)													
B Kits													
Recurring													
2.1.1) B Kit - Organic	40 / 1.313	40 / 1.312	28 / 0.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 3.560	
Subtotal: Recurring	- / 1.313	- / 1.312	- / 0.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.560	
Subtotal: Hose Reel Reliability Improvements (OSIP 007-13)	40 / 1.313	40 / 1.312	28 / 0.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 3.560	
Subtotal: Procurement, All Modification Items	- / 1.313	- / 1.312	- / 0.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.560	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.038	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.038	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.673	- / 0.052	- / 0.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.754	
3.6) Other Support	- / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.275	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.986	- / 0.052	- / 0.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.067	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	2.299	1.364	0.964	-	-	-	-	-	-	-	-	4.627	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series			Modification Number / Title: 4 / Hose Reel Reliability Improvements (OSIP 007-13)	
Modification Item 1 of 1: Hose Reel Reliability Improvements (OSIP 007-13)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - B Kit					Installation Quantity: 108		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)				
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>)	0.000	3.091	4.502	21.045	-	21.045	19.867	39.543	52.290	59.030	193.401	392.769
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	3.091	4.502	21.045	-	21.045	19.867	39.543	52.290	59.030	193.401	392.769
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	3.091	4.502	21.045	-	21.045	19.867	39.543	52.290	59.030	193.401	392.769
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
DESCRIPTION/JUSTIFICATION: Technical Insertion provides for the incorporation of new or updated technologies to support safety, reliability, supportability, obsolescence, deficiency correction, mandated modifications, commonality, interoperability or affordability of the C/KC-130 platform. Technical Insertion updates support those technology initiatives that apply to aircraft avionics, navigation, communications, transponders, sensors, transmitters, antennae, mission computers and associated systems, electronic mission systems, or other electronic aircraft systems.												
Current modifications include: KC-130J Block Upgrade 7.0/8.1, which includes CNS/ATM mandates (new FMS, transponder and Mission Computer updates for RNP-RNAV and ADS-B), safety improvements (improved ICS/PA System and enhanced covert lighting), deficiency correction (TEMPEST compliance) and interoperability updates (Mode 5 IFF and Link 16). The Electronic Propeller Control System (EPCS) replaces the failure prone hydro-mechanical propeller control with a solid-state digital system and addresses the #1 readiness degrader for the legacy C/KC-130.												
Future modifications could include: Capability Management Upgrade (CMU)/Block Upgrade 9.0 will include Flight Management System performance enhancements, additional capabilities and addresses obsolescence issues to ensure future mission readiness of the KC-130J fleet. Software Reprogrammable Payload (SRP) and/or Tactical Airborne Command, Control, Communications, and Intelligence (C3I) Pod (TACPOD), which will augment existing C/KC-130 interoperability capabilities, The Blue Force Tracker (BFT) Blue Force Situational Awareness (BFSA) initiative will add the C/KC-130 to the network, which includes all other assault support and US Army platforms. KuSS Beyond Line of Sight (BLOS) is a system upgrade that provides High Speed Data for beyond line of sight communications and provides interoperability across the services. The RADAR Receiver Upgrade addresses the obsolete APS-133 Radar Set which is the #1 avionics system level readiness degrader for the legacy C/KC-130 aircraft, providing enhanced reliability and supportability. The TACAN Upgrade addresses the obsolescence of the ARN-139 TACAN Set, which is only installed on Navy and Marine C/KC-130 aircraft and is no longer maintained due to lack of spare components.												
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: SRP TACPOD system upgrade will consist of 79 kits and installs starting in FY14- and completing beyond the FYDP. BFT BFSA system upgrade will consist of 79 kits and installs starting in FY14 and completing beyond the FYDP. The KuSS BLOS system upgrade will consist of 79 kits and installs starting in FY14 and completing beyond the FYDP. Block 7.0 / Block 8.1 peculiar NRE will start in FY14 with the first Trial Kit Install in FY16; the upgrade consists of 59 kits and installs starting in FY14 and completing beyond the FYDP.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)					
Models of Systems Affected: KC-130T/J			Modification Type: Capability					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Technical Insertion (OSIP 019-14)													
A Kits													
Recurring													
1.1.1) EPCS A Kit - NonOrganic	- / -	3 / 0.601	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.601	
1.1.2) A Kit 7.0/8.1 Block Upgrade - NonOrganic ⁽¹⁴⁾	- / -	- / -	- / -	2 / 2.845	- / -	2 / 2.845	- / -	8 / 12.072	12 / 18.651	11 / 17.610	25 / 41.967	58 / 93.145	
Subtotal: Recurring	- / 0.000	- / 0.601	- / -	- / 2.845	- / -	- / 2.845	- / -	- / 12.072	- / 18.651	- / 17.610	- / 41.967	- / 93.746	
Non-Recurring													
1.2.1) Installation Kit N/R Block Upgrade - Organic ⁽¹⁵⁾	- / -	- / -	- / 3.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.374	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 3.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.374	
B Kits													
Recurring													
2.1.1) EPCS B Kit - Organic	- / -	3 / 2.261	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.261	
2.1.2) B Kit 7.0/8.1 Block Upgrade - Organic	- / -	- / -	- / -	2 / 4.424	- / -	2 / 4.424	- / -	8 / 18.775	12 / 29.007	11 / 27.388	25 / 65.271	58 / 144.865	
Subtotal: Recurring	- / 0.000	- / 2.261	- / -	- / 4.424	- / -	- / 4.424	- / -	- / 18.775	- / 29.007	- / 27.388	- / 65.271	- / 147.126	
Non-Recurring													
2.2.1) Installation Kit N/R Block Upgrade - Organic	- / -	- / -	- / -	- / 3.494	- / -	- / 3.494	- / 0.950	- / -	- / -	- / -	- / -	- / 4.444	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 3.494	- / -	- / 3.494	- / 0.950	- / -	- / -	- / -	- / -	- / 4.444	
Subtotal: Technical Insertion (OSIP 019-14)	- / -	6 / 2.862	- / 3.374	4 / 10.763	- / -	4 / 10.763	- / 0.950	16 / 30.847	24 / 47.658	22 / 44.998	50 / 107.238	122 / 248.690	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 2.862	- / 3.374	- / 10.763	- / -	- / 10.763	- / 0.950	- / 30.847	- / 47.658	- / 44.998	- / 107.238	- / 248.690	
Support (All Modification Items)													
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data Block Upgrade	- / -	- / -	- / -	- / 0.814	- / -	- / 0.814	- / 0.810	- / 0.419	- / -	- / -	- / -	- / 2.043	
3.3) Training Equipment Block Upgrade	- / -	- / -	- / -	- / 7.549	- / -	- / 7.549	- / 16.220	- / 3.272	- / 3.037	- / 3.518	- / 26.443	- / 60.039	
3.4) Support Equipment Block Upgrade	- / -	- / -	- / -	- / 0.578	- / -	- / 0.578	- / 0.464	- / -	- / -	- / -	- / -	- / 1.042	
3.5) ILS EPCS	- / -	- / 0.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.097	
3.6) ILS Block Upgrade	- / -	- / -	- / 0.437	- / 0.782	- / -	- / 0.782	- / 0.842	- / 0.961	- / 0.991	- / 1.019	- / 2.348	- / 7.380	
3.7) Other Support EPCS	- / -	- / 0.132	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.132	
3.8) Other Support Block Upgrade ⁽¹⁶⁾	- / -	- / -	- / 0.226	- / 0.559	- / -	- / 0.559	- / 0.581	- / 0.592	- / 0.604	- / 0.622	- / 1.820	- / 5.004	
Subtotal: Support	- / 0.000	- / 0.229	- / 0.663	- / 10.282	- / -	- / 10.282	- / 18.917	- / 5.244	- / 4.632	- / 5.159	- / 30.611	- / 75.737	
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)				
Models of Systems Affected: KC-130T/J				Modification Type: Capability				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Modification Item 1 of 1: Technical Insertion (OSIP 019-14)	- / 0.000	- / -	- / 0.465	- / -	- / -	- / -	- / -	- / 3.452	- / -	- / 8.873	- / 55.552	- / 68.342
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / 0.465	- / -	- / -	- / -	- / -	- / 3.452	- / -	- / 8.873	- / 55.552	- / 68.342
Total												
Total Cost (Procurement + Support + Installation)	0.000	3.091	4.502	21.045	-	21.045	19.867	39.543	52.290	59.030	193.401	392.769

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0560 / C-130 Series										Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)											
Modification Item 1 of 1: Technical Insertion (OSIP 019-14)																															
Manufacturer Information																															
Manufacturer Name: TBD - ECPS															Manufacturer Location: TBD																
Administrative Leadtime (in Months): 12															Production Leadtime (in Months): 7																
Dates		FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019			FY 2020											
Contract Dates		Sep 2014																													
Delivery Dates		Mar 2015																													
Manufacturer Name: Lockheed Martin - Block Upgrade															Manufacturer Location: Greenville, SC																
Administrative Leadtime (in Months): 5															Production Leadtime (in Months): 24																
Dates		FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019			FY 2020											
Contract Dates								Feb 2016						Feb 2018			Feb 2019			Feb 2020											
Delivery Dates								Feb 2018						Feb 2020			Feb 2021			Feb 2022											
Installation Information																															
Method of Implementation: Contractor Drive-in Modifications:: Installation Name: EPCS A Kit																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	3 / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.465																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	3 / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.465																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)

Modification Item 1 of 1: Technical Insertion (OSIP 019-14)

Installation Information

Method of Implementation: Contractor Drive-In Mod:: Installation Name: A Kit 7.0/8.1 Block Upgrade

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.452	- / -	- / -	- / -	2 / 3.452
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 8.873	- / -	8 / 8.873
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 13.888	12 / 13.888
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 12.731	11 / 12.731
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 28.933	25 / 28.933
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.452	- / -	8 / 8.873	48 / 55.552	58 / 67.877

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3	3	2	48	58
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3	53	58

Method of Implementation (Organic): Not Installed - EPCS B Kit

Installation Quantity: 3

Method of Implementation (Organic): Not Installed - B Kit 7.0/8.1 Block Upgrade

Installation Quantity: 58

Footnotes:

(14) Block Upgrade Kits long lead time 18 - 24 months.

(15) Block Upgrade NRE for TKI in FY15.

(16) FY16 increase due to testing.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series						Modification Number / Title: 6 / Inactive OSIPs		
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>	231.396	-	-	-	-	-	-	-	-	-	-	231.396
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	231.396	-	-	-	-	-	-	-	-	-	-	231.396
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	231.396	-	-	-	-	-	-	-	-	-	-	231.396
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 6 / Inactive OSIPs			
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> Inactive OSIPs													
A Kits													
Recurring													
1.1.1) Inactive OSIPs - Organic	- / 231.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.396	
<i>Subtotal: Recurring</i>	- / 231.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.396	
<i>Subtotal: Inactive OSIPs</i>	- / 231.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.396	
<i>Subtotal: Procurement, All Modification Items</i>	- / 231.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.396	
Support (All Modification Items)													
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	231.396	-	-	-	-	-	-	-	-	-	-	231.396	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series			Modification Number / Title: 6 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0561 / Flt Elect Wrfr Supt Grp (FEWSG)					
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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	97.499	0.665	0.640	0.633	-	0.633	0.652	0.651	0.663	0.677	6.282	108.362
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	97.499	0.665	0.640	0.633	-	0.633	0.652	0.651	0.663	0.677	6.282	108.362
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	97.499	0.665	0.640	0.633	-	0.633	0.652	0.651	0.663	0.677	6.282	108.362
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line funds modifications to avionics equipment used for fleet training exercises by opposing forces and adversary forces used during counter surface and attack training scenarios and fleet exercises. The overall goal is to accurately simulate known and postulated electronic attack capability and tactics of radar and jammer threats expected to be encountered during operational deployments. Operation systems under OSIP 119-83 were divested prior to FY 2002. Current equipment, AN/ALQ-167, AN/AST-6 and follow-on AN/AST-9 pod variants are carried aboard F/A-18, Lear Jet, Kfir (F-21), Hawker/Hunter (F-58), Gulfstream (G-1) and F-16 aircraft. Internal aircraft installation variants, AN/ULQ-21/24 are used in targets and the AN/ALQ-237 rack installation is used on F-5N. The remaining quantities of 20 legacy AST-6 pods are no longer repairable. These pods are being augmented/replaced by AN/AST-9 and will be flown until the end of their operational service life. FY 2010- FY 2012 and prior years' Below Threshold Reprogramming (BTR) funding procured 34 Advanced Digital Radio Frequency Memory (DRFM) systems to address adversary forces training requirements per Naval Strike Air Warfare Center Urgent Operational Need Statement. The adversary systems (aka HAVE ALL-Filthy Bader) comprised 19 ALQ-167 pods, 12 F-5 rack installs and 3 ACaP pods procured in coordination with the United States Air Force (USAF). As of FY 2014, one legacy ALQ-167 pod per year from the remaining pods inventory will be converted to DRFM configuration. Adversary Electronic Attack (EA) DRFM program systems completed deliveries in FY 2013 as funded under the Abbreviated Acquisition Plan (AAP) in FY 2010 - 2012. As a result, all subsequent installations are modifications to fleet systems based on the EA DRFM Roadmap for Filthy Badger classified program requirements. FY 2013 shifted program focus from full production to the Filthy Badger modification schedule and support of the required engineering and logistics to accomplish these upgrades in future years.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0561 / Flt Elect Wrfr Supt Grp (FEWSG)			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / AN/AST-4/6/9(V), AN/ULQ-21/24, AN/ALQ-237, ALE-43, AN/ALQ-167 (OSIP 119-83) (RELIABILITY, MAINTAINABILITY, CAPABILITY)	P-3a		- / 97.499	- / 0.665	- / 0.640	- / 0.633	- / -	- / 0.633
Total Gross/Weapon System Cost			- / 97.499	- / 0.665	- / 0.640	- / 0.633	- / -	- / 0.633
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / AN/AST-4/6/9(V), AN/ULQ-21/24, AN/ALQ-237, ALE-43, AN/ALQ-167 (OSIP 119-83) (RELIABILITY, MAINTAINABILITY, CAPABILITY)	P-3a		- / 0.652	- / 0.651	- / 0.663	- / 0.677	- / 6.282	- / 108.362
Total Gross/Weapon System Cost			- / 0.652	- / 0.651	- / 0.663	- / 0.677	- / 6.282	- / 108.362
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0561 / Flt Elect Wrfr Supt Grp (FEWSG)	Modification Number / Title: 1 / AN/AST-4/6/9(V), AN/ULQ-21/24, AN/ALQ-237, ALE-43, AN/ALQ-167 (OSIP 119-83)

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>)	97.499	0.665	0.640	0.633	-	0.633	0.652	0.651	0.663	0.677	6.282	108.362
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	97.499	0.665	0.640	0.633	-	0.633	0.652	0.651	0.663	0.677	6.282	108.362
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	97.499	0.665	0.640	0.633	-	0.633	0.652	0.651	0.663	0.677	6.282	108.362
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line funds modifications to avionics equipment used for fleet training exercises by opposing forces and adversary forces aircraft in threat representative electronic attack scenarios. The overall goal is to accurately simulate known and postulated electronic warfare capability and tactics of radar and jammer threats expected to be encountered during operational deployments. Operational, Safety and Improvement Program (OSIP 119-83) Fleet Electronic Warfare Support Group (FEWSG) equipment includes AN/AST-6 and AN/AST-9 radar simulators for opposing forces aircraft as well as AN/ALQ-167, AN/ALQ-237 and AN/ULQ-21 radar jammers for both opposing forces and adversary forces aircraft.

Background - AN/ALQ-167, AN/AST-6 and AN/AST-9 are pod configured systems carried aboard Kfir (F-21), Hawker Hunter (F-58), Lear Jets, F-16N and F/A-18 C/D/E/F aircraft. AN/ULQ-21 and AN/ALQ-237 are internally mounted systems carried aboard Gulfstream (G1) and F-5N, respectively. AN/AST-6 pods are legacy assets being replaced with AN/AST-9 radar simulators. AN/AST-6 systems will be flown until the end of their operational service life to fill the continued shortfall in electronic attack systems capacity and capability. In FY 2013 Adversary Electronic Attack Abbreviated Acquisition (AAP) program completed deliveries of 34 Advanced Digital Radio Frequency Memory (DRFM) systems in response to Commander Fleet Forces Urgent Operational Needs Statement (UONS) to quickly deliver and augment electronic attack training capacity and to mitigate some level of capability shortfall. The Adversary DRFM based systems included - 19 AN/ALQ-167 pods, 12 AN/ALQ-237 internal mounted systems and 3 ACaP pods.

Current status: Following rapid delivery of the 34 AAP systems, program focus is on establishing the required maintenance and sparing posture to support this acquisition. As a result of completed deliveries, all future installations are modifications to Adversary DRFM systems based on the electronic attack DRFM Roadmap for Filthy Badger classified program requirements. In FY13, the program shifted focus from full production to the Filthy Badger modification schedule and support of the engineering and logistics to accomplish these upgrades in future years and further directed for no additional legacy ALQ-167 pod conversions.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0561 / Flt Elect Wrfr Supt Grp (FEWSG)				Modification Number / Title: 1 / AN/AST-4/6/9(V), AN/ULQ-21/24, AN/ ALQ-237, ALE-43, AN/ALQ-167 (OSIP 119-83)					
Models of Systems Affected: NOT APPLICABLE				Modification Type: RELIABILITY, MAINTAINABILITY, CAPABILITY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: AN/AST-4/6/9(V), AN/ ULQ-21/24, AN/ALQ-237, ALE-43, AN/ALQ-167 (OSIP 119-83)													
B Kits													
Recurring													
2.1.1) Install Equipment (B Kits) - Organic ⁽¹⁾	1,046 / 76.099	1 / 0.051	1 / 0.050	1 / 0.050	- / -	1 / 0.050	1 / 0.052	1 / 0.052	1 / 0.054	1 / 0.056	27 / 0.547	1,080 / 77.011	
Subtotal: Recurring	- / 76.099	- / 0.051	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.052	- / 0.052	- / 0.054	- / 0.056	- / 0.547	- / 77.011	
Non-Recurring													
2.2.1) Install Equipment N/R - Organic ⁽²⁾	- / 2.058	- / 0.075	- / 0.072	- / 0.072	- / -	- / 0.072	- / 0.074	- / 0.074	- / 0.075	- / 0.076	- / 0.644	- / 3.220	
Subtotal: Non-Recurring	- / 2.058	- / 0.075	- / 0.072	- / 0.072	- / -	- / 0.072	- / 0.074	- / 0.074	- / 0.075	- / 0.076	- / 0.644	- / 3.220	
Subtotal: AN/AST-4/6/9(V), AN/ULQ-21/24, AN/ ALQ-237, ALE-43, AN/ALQ-167 (OSIP 119-83)	1,046 / 78.157	1 / 0.126	1 / 0.122	1 / 0.122	- / -	1 / 0.122	1 / 0.126	1 / 0.126	1 / 0.129	1 / 0.132	27 / 1.191	1,080 / 80.231	
Subtotal: Procurement, All Modification Items	- / 78.157	- / 0.126	- / 0.122	- / 0.122	- / -	- / 0.122	- / 0.126	- / 0.126	- / 0.129	- / 0.132	- / 1.191	- / 80.231	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 2.928	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.928	
3.2) Data	- / 0.406	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.406	
3.3) Training Equipment	3 / 4.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.815	
3.4) Support Equipment	- / 5.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.510	
3.5) ILS ⁽³⁾	- / 1.662	- / 0.269	- / 0.260	- / 0.252	- / -	- / 0.252	- / 0.260	- / 0.260	- / 0.264	- / 0.268	- / 2.561	- / 6.056	
3.6) Other Support ⁽⁴⁾	- / 4.021	- / 0.270	- / 0.258	- / 0.259	- / -	- / 0.259	- / 0.266	- / 0.265	- / 0.270	- / 0.277	- / 2.530	- / 8.416	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 19.342	- / 0.539	- / 0.518	- / 0.511	- / -	- / 0.511	- / 0.526	- / 0.525	- / 0.534	- / 0.545	- / 5.091	- / 28.131	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	97.499	0.665	0.640	0.633	-	0.633	0.652	0.651	0.663	0.677	6.282	108.362	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0561 / Flt Elect Wrfr Supt Grp (FEWSG)			Modification Number / Title: 1 / AN/AST-4/6/9(V), AN/ULQ-21/24, AN/ALQ-237, ALE-43, AN/ALQ-167 (OSIP 119-83)	
Modification Item 1 of 1: AN/AST-4/6/9(V), AN/ULQ-21/24, AN/ALQ-237, ALE-43, AN/ALQ-167 (OSIP 119-83)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - Install Equipment (B Kits)					Installation Quantity: 1080		
Footnotes: (1) 1. Adversary Electronic Attack (EA) Digital Radio Frequency Memory (DRFM) program systems completed deliveries in FY13 as funded under the Abbreviated Acquisition Plan (AAP) for FY10-12. As a result, all future installations are modifications to Fleet systems based on the EA DRFM Roadmap for Filthy Badger requirements. In FY 2013, the program shifted focus from full production to the Filthy Badger modification. Cost increases in FYDP supports unique modifications, hardware and Fleet Training. (2) Cost increases in FYDP supports unique modifications, hardware and Fleet Training. (3) Increase in FYDP provides the logistics support required to support the aging ALQ-167 Pod variants and AST-9 Pod variants. (4) Increase in FYDP provides the engineering support required to support the aging ALQ-167 Pod variants and AST-9 Pod variants.							

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series					
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>)	257.295	17.487	4.035	8.916	-	8.916	15.234	12.045	10.374	10.582	74.335	410.303
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	257.295	17.487	4.035	8.916	-	8.916	15.234	12.045	10.374	10.582	74.335	410.303
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	257.295	17.487	4.035	8.916	-	8.916	15.234	12.045	10.374	10.582	74.335	410.303
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to the following cargo and transport aircraft: C-9B, C-40A, C-20D, C-20G, C-37A, C-37B, C-26D, EC-26D, RC-26D, UC-35C, UC-35D, UC-12B, UC-12F, UC-12M, UC-12W, and RC-12M. The C-9B Skytrain II, C-40A Clipper, C-20D Gulfstream III, C-20G Gulfstream IV, C-37A Gulfstream V, C-37 B Gulfstream 550, UC-35C Cessna Ultra, UC-35D Cessna Encore are commercial twin jet transport aircraft that provide time-critical medium lift logistic support for the fleet combatant commanders. The C-9B is capable of carrying up to 32,000 pounds of cargo and personnel for over 1,739 nautical miles. The C-40A can accommodate 121 passengers, or 8 pallets of cargo, or a combination configuration of 3 pallets and 70 passengers with a range of 3,400 nautical miles. The C-20G can accommodate 26 passengers or all pallets of cargo, or a combination of pallets and passengers with a range of 5,130 nautical miles. The C-20D and C-37 provide worldwide executive transport to Secretary of the Navy, Chief of Naval Operations, Commandant of the Marine Corps, and Fleet Commanders. The UC-35 provides transport for high priority passenger/cargo missions with time, place or mission sensitive requirements. The UC-35 can accommodate 6 passengers or 1,200 pounds of cargo with a range of 1,300 nautical miles. The C-12 King Air and C-26 Metro variants are commercial twin turbo-prop aircraft that provide shorter-range light lift passenger/cargo transport and range control missions. The C-12 is capable of carrying 6 passengers or maximum cargo capacity of 2,850 pounds, with a range of 1,075 nautical miles. The C-26 is capable of carrying 19 passengers 1,300 nautical miles. In FY12-FY17 Block 2 aircraft modifications will occur. Some of the systems affected by Block 2 are Traffic Alert and Collision Avoidance System, Runway Awareness and Advisory System, UniLink 800/801Aircraft Communications Addressing and Reporting System, Protected Mode and Baseline Controller Pilot Data Link Communication and Automatic Dependent Surveillance-Contract datalink, VHF Data Link Mode 2 for aircraft that have not been approved for exemption, Satellite Communications capability (Iridium or International Maritime Satellite) and services. In FY15 - FY20 Block 3 aircraft modifications include Automatic Dependent Surveillance to DO260B standards, Data Link recording capability that is tied to the Cockpit Voice Recorder, Expansion of data link systems/services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS capabilities.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft						P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.487	4.035	8.916	-	8.916	15.234	12.045	10.374	10.582
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.487	4.035	8.916	-	8.916	15.234	12.045	10.374	10.582

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86) (SAFETY/RELIABILITY)	P-3a		- / 22.408	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.025
2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0 (SAFETY/RELIABILITY)	P-3a		- / 159.069	- / 17.462	- / 4.010	- / 8.716	- / -	- / 8.716
3 / Safety/Obsolescence Upgrades (013-16) (SAFETY/RELIABILITY)	P-3a		- / 0.000	- / -	- / -	- / 0.175	- / -	- / 0.175
4 / RESERVE FORCES Inactive OSIPs ()	P-3a		- / 75.818	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 257.295	- / 17.487	- / 4.035	- / 8.916	- / -	- / 8.916
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86) (SAFETY/RELIABILITY)	P-3a		- / 0.025	- / 0.025	- / 0.025	- / -	- / -	- / 22.558
2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0 (SAFETY/RELIABILITY)	P-3a		- / 15.184	- / 11.995	- / 10.324	- / 10.557	- / 74.335	- / 311.652
3 / Safety/Obsolescence Upgrades (013-16) (SAFETY/RELIABILITY)	P-3a		- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.275
4 / RESERVE FORCES Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 75.818
Total Gross/Weapon System Cost			- / 15.234	- / 12.045	- / 10.374	- / 10.582	- / 74.335	- / 410.303
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: The FY 2016 funding request was reduced by \$4.45 million to account for the availability of prior year execution balances. Basis for FY2016 budget request: provides funding to procure aircraft modifications for Cargo Transport Aircraft.								

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 1 / FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86)

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>)	22.408	0.025	0.025	0.025	-	0.025	0.025	0.025	0.025	-	-	22.558
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	22.408	0.025	0.025	0.025	-	0.025	0.025	0.025	0.025	-	-	22.558
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	22.408	0.025	0.025	0.025	-	0.025	0.025	0.025	0.025	-	-	22.558

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

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

Description:

Federal Aviation Regulations require manufacturers of commercial aircraft and associated systems/subsystems to investigate discrepant conditions, failures, and potential safety problems reported by all operators. The results of these investigations with recommended corrective action are reviewed/authorized by Federal Aviation Administration (FAA) designated representatives and provided to all operators as service bulletins. Each service bulletin is a complete technical directive that provides corrective change information or detailed modification instructions. To ensure safe, reliable, FAA/Navy certified aircraft and to provide a program that will assure continued life extension at minimum cost, the Navy must maintain configuration and integrity compatible with FAA certified commercial models by incorporation of applicable service bulletins. The incorporation of certain service bulletins also serves to preclude extensive repairs/repetitive inspections. Crew equipment requirements in accordance with FAA directives and/or Navy requirements will be incorporated to ensure maximum safety in case of emergency. Specific examples of systems that will require modification to conform to FAA Service Bulletins and Directives include Brakes, Landing Gear Systems, Flight Controls, Engine Modifications, Propeller Modifications, Airframe Modifications, Hydraulics, Electrical/Mechanical Systems & Components, Fuel Systems, Software Modifications/Upgrades, Fire Detection Systems, Interior Environmental Systems, Pressurization Systems, Oxygen Systems, Pilot-Static Systems and Smoke/Fire Detection Systems. Modifications budgeted in this Operational Safety and Improvement Program include the incorporation of Service Bulletins/Directives requirements into the C-9B, C-40A, C-20D, C-20G, C-37A, C-37B, C-26D, EC-26D, RC-26D, UC-35C, UC-35D, UC-12B, UC-12F, UC-12M, UC-12W and RC-12M aircraft.

Development Status/Major Development Milestones: Service Bulletins are reviewed for possible incorporation on an as required basis. Prototype verification has been previously accomplished and approved by the FAA.

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series							Modification Number / Title: 1 / FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86)			
Models of Systems Affected: CARGO TRANSPORT AC SERIES			Modification Type: SAFETY/RELIABILITY					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86)													
A Kits													
Recurring													
1.1.1) Tech Directive Implementation - Organic	- / 0.200	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / -	- / 0.350
1.1.2) Archived Cost Elements - Organic	- / 17.478	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.478
Subtotal: Recurring	- / 17.678	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / -	- / 17.828
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 2.832	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.832
Subtotal: Non-Recurring	- / 2.832	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.832
Subtotal: FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86)	- / 20.510	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / -	- / 20.660
Subtotal: Procurement, All Modification Items	- / 20.510	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / -	- / 20.660
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.360	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.360
3.2) Data	- / 0.293	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.293
3.3) Training Equipment	- / 0.206	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.206
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.016
3.6) Other Support	- / 0.816	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.816
3.7) Interim Contractor Support	- / 0.207	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.207
Subtotal: Support	- / 1.898	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.898
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total													
Total Cost (Procurement + Support + Installation)	22.408	0.025	0.025	0.025	-	0.025	0.025	0.025	0.025	0.025	-	-	22.558

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series			Modification Number / Title: 1 / FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86)	
Modification Item 1 of 1: FEDERAL AVIATION ADMINISTRATION (FAA) CONFIGURATION UPDATES RESERVE FORCES(OSIP 071-86)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

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)	159.069	17.462	4.010	8.716	-	8.716	15.184	11.995	10.324	10.557	74.335	311.652
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	159.069	17.462	4.010	8.716	-	8.716	15.184	11.995	10.324	10.557	74.335	311.652
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	159.069	17.462	4.010	8.716	-	8.716	15.184	11.995	10.324	10.557	74.335	311.652
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

World-wide airspace congestion and communication bandwidth saturation has led the International Civil Aviation Organization to restructure the world-wide airspace structure to improve safety through a series of equipment and performance mandates implemented by regional authorities. The Type/Models/Series cited below will be required to comply with Communication, Navigation and Surveillance - Air Traffic Management (CNS-ATM) mandates to retain the Navy's capability to operate these aircraft worldwide. Failure to comply with these time-phased mandates will result in being denied access to high-volume airspace (routing and altitudes) and airfields, and result in circuitous routing and sub optimal altitudes. Required modifications to meet these CNS-ATM mandates are being implemented on post production aircraft as capabilities listed in the third paragraph.

To minimize the impact of successive modifications and maximize aircraft availability, a block upgrade approach has been taken during this budget submit. C-20D, C-12 and C-26 expenditures in FY09 and prior years comprise part of Block 1. Block upgrades have been prioritized and phased to meet regional mandates' just in time to ensure that commercial CNS-ATM solutions are available off the shelf to minimize non-reoccurring engineering associated with Federal Aviation Administration supplemental type certification. In order to incorporate CNS-ATM mandates several older aircraft (C-20D, C-35C, all C-26 and C-12) required the installation of a digital flight management and communication system.

CNS-ATM capabilities associated with each Block Upgrade are listed below:

C-9B: Block 2 - Upgrade Flight Management Software to 1000.6 and incorporate new solid state dataloader, Traffic Alert and Collision Avoidance System (TCAS 7.1), EGPWS altitude callouts and Runway Awareness and Advisory System; incorporate UniLink 800/801Aircraft Communications Addressing and Reporting System (ACARS), Air Traffic Service (ATS) Facilities Notification (AFN), Controller Pilot Data Link Communication (CPDLC) and Automatic Dependent Surveillance-Contract (ADS-C) datalink, activate Very High Frequency Data Link (VDL)-2 and add Satellite Communication (SATCOM) capability [Iridium or International Maritime Satellite (INMARSAT)] and services; New Multifunction display and Ground Based Augmentation Landing System (GLS). Block 3 Automatic Dependent Surveillance to DO260B standards.

C-40A: Block 2 - TCAS 7.1, Activate VDL-2 and add SATCOM capability (Iridium or INMARSAT) and services; Upgrade Flight Management Software with U10.8A Operational Flight Program and incorporate new solid state dataloader, Airstair modification. Block 3 - Automatic Dependent Surveillance to DO260B standards, Data Link recording enhancements, Expansion of data link systems/services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs. Protected Mode and Baseline Controller Pilot Data Link Communication and Automatic Dependent Surveillance-Contract datalink, VHF Data Link Mode 2

C-37A/B: Block 2: TCAS 7.1, incorporate Airframe Service Change (ASC) 183, 186, 187, 188; add provisions for ACARS, ATS Facilities Notification, CPDLC and ADS-C datalink, Communication Management Unit (CMU), add VDL-2 and SATCOM capability (Iridium or INMARSAT) and services. Block 3 - Automatic Dependent Surveillance to DO260B standards, Data Link recording enhancements, Expansion of data link systems/services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0
C-35C: Block 2 - Install Electronic Standby Instrument System ESIS + new instrument panels+ install Universal Navigation System (UNS)-1Espw with Wide Area Augmentation System (WAAS) + Localizer Performance with Vertical Guidance (LPV); TCAS 7.1 and new display to replace obsolete MST-67/Multi Function Display (MFD); incorporate UniLink 800/801Aircraft Communications Addressing and Reporting System (ACARS), Air Traffic Service (ATS) Facilities Notification (AFN), Controller Pilot Data Link Communication (CPDLC) and Automatic Dependent Surveillance-Contract (ADS-C) datalink CMU, add VDL-2 and SATCOM capability (Iridium or INMARSAT) and services. Block 3-Automatic Dependent Surveillance to DO260B standards, Data Link recording enhancements, Expansion of data link systems/services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs. C-35D: Block 2 - Install UNS-1Espw with WAAS/Satellite Based Augmentation System/LPV; TCAS 7.1 and new display to replace obsolete MST-67/MFD; incorporate UniLink 800/801Aircraft Communications Addressing and Reporting System (ACARS), Air Traffic Service (ATS) Facilities Notification (AFN), Controller Pilot Data Link Communication (CPDLC) and Automatic Dependent Surveillance-Contract (ADS-C) datalink, add VDL-2 and SATCOM capability (Iridium or INMARSAT) and services. Block 3 - Automatic Dependent Surveillance to DO260B standards, Data Link recording enhancements, Expansion of data link systems/services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs. C-26 EC/RC/UC-26D: Block 2 - Install Flight Management System upgrade, Proline 21, WAAS & RNP, TCAS 7.1, add provisions for ACARS, ATS Facilities Notification, CPDLC and ADS-C datalink, CMU, add VDL-2 and SATCOM capability (Iridium or INMARSAT) and services. Block 3 - Automatic Dependent Surveillance to DO260B standards, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs. C-20D: Block 2 - TCAS 7.1, install APX119 Transponder, FMS 6.1 upgrade, WAAS & RNP, add provisions for ACARS, ATS Facilities Notification, CPDLC and ADS-C datalink, VDL-2 and SATCOM capability (Iridium or INMARSAT) and services. Block 3 Automatic Dependent Surveillance to DO260B standards C-20G: Block 2 - TCAS 7.1, install APX119 Transponder, incorporate ASC 476, 477, 478 & 479; WAAS & RNP Upgrade, add provisions for ACARS, ATS Facilities Notification, CPDLC and ADS-C datalink, VDL-2 and SATCOM capability (Iridium or INMARSAT) and services. Block 3 - Automatic Dependent Surveillance to DO260B standards, Data Link recording enhancements, Expansion of data link systems/ services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs. C-12B: Block 2 - TCAS 7.1 + New Flight management system. No Block 3. C-12F: Block 2 - TCAS 7.1, Install FMS upgrade and new solid state dataloader DBU-5010, WAAS & RNP, add provisions for ACARS, ATS Facilities Notification, CPDLC and ADS-C datalink, CMU, add VDL-2 and SATCOM capability (Iridium or INMARSAT) and services, Implement Mode 5 upgrade. Block 3 Automatic Dependent Surveillance to DO260B standards, Data Link recording enhancements, Expansion of data link systems/services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs. C-12M: Block 2 - TCAS 7.1, Install FMS upgrade and new solid state dataloader DBU-5010, WAAS & RNP, add provisions for ACARS, ATS Facilities Notification, CPDLC and ADS-C datalink, CMU, add VDL-2 and SATCOM capability (Iridium or INMARSAT) and services, Implement Mode 5 upgrade; Block 3 - Automatic Dependent Surveillance to DO260B standards, Data Link recording enhancements, Expansion of data link systems/services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs. UC-12W: Block 2 - TCAS 7.1; Aural Tone Warning, Install FMS upgrade, WAAS & RNP; add provisions for ACARS, ATS Facilities Notification, CPDLC and ADS-C datalink; CMU, add VDL-2 and SATCOM capability (Iridium or INMARSAT) and services. Block 3 - Automatic Dependent Surveillance to DO260B standards, Data Link recording enhancements, Expansion of data link systems/services based on global operational data-link mandates, AN/APX-119 IFF, new control panel for Mode 5, Performance based navigation (RNAV/RNP), weather integration and L5 GLS Installs.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series				Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0					
Models of Systems Affected: CARGO TRANSPORT AC SERIES				Modification Type: SAFETY/RELIABILITY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0													
A Kits													
Recurring													
1.1.1) Block 2 (C-40/C-9) - NonOrganic	21 / 2.515	2 / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 2.615	
1.1.2) Block 2 (UC-35) - NonOrganic	17 / 1.542	4 / 0.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 1.702	
1.1.3) Block 2 (C-26) - NonOrganic ⁽¹⁾	11 / 3.280	3 / 0.300	1 / 0.100	2 / 0.200	- / -	2 / 0.200	- / -	- / -	- / -	- / -	2 / 0.200	19 / 4.080	
1.1.4) Block 2 (C-20) - NonOrganic	20 / 1.271	1 / 0.140	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 1.411	
1.1.5) Block 2 (C-12) - NonOrganic	43 / 3.078	6 / 0.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 3.258	
1.1.6) Block 3 (C-40/C-9) - NonOrganic ⁽²⁾	- / -	12 / 0.496	- / -	3 / 0.540	- / -	3 / 0.540	7 / 1.260	4 / 0.800	12 / 3.100	23 / 5.575	- / -	61 / 11.771	
1.1.7) Block 3 (C-37) - NonOrganic ⁽³⁾	- / -	1 / 1.900	2 / 0.075	1 / 0.200	- / -	1 / 0.200	4 / 0.800	4 / 0.800	- / -	- / -	5 / 1.180	17 / 4.955	
1.1.8) Block 3 (UC-35) - NonOrganic ⁽⁴⁾	- / -	22 / 1.473	2 / 0.240	1 / 0.125	- / -	1 / 0.125	4 / 0.275	8 / 0.600	- / -	- / -	9 / 4.375	46 / 7.088	
1.1.9) Block 3 (C-26) - NonOrganic	- / -	- / -	- / -	1 / 0.100	- / -	1 / 0.100	1 / 0.200	- / -	- / -	- / -	6 / 0.730	8 / 1.030	
1.1.10) Block 3 (C-20) - NonOrganic	- / -	- / -	3 / 0.500	5 / 1.150	- / -	5 / 1.150	7 / 1.600	5 / 1.000	- / -	- / -	- / -	20 / 4.250	
1.1.11) Block 3 (C-12) - NonOrganic ⁽⁵⁾	- / -	3 / 0.300	- / -	4 / 0.400	- / -	4 / 0.400	15 / 1.500	10 / 1.000	- / -	- / -	- / -	32 / 3.200	
1.1.12) Archive Mods - Organic	- / 37.944	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.944	
Subtotal: Recurring	- / 49.630	- / 5.049	- / 0.915	- / 2.715	- / -	- / 2.715	- / 5.635	- / 4.200	- / 3.100	- / 5.575	- / 6.485	- / 83.304	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁶⁾	- / 28.363	- / 3.450	- / 0.686	- / 1.150	- / -	- / 1.150	- / 2.220	- / 1.355	- / 2.485	- / -	- / 2.412	- / 42.121	
Subtotal: Non-Recurring	- / 28.363	- / 3.450	- / 0.686	- / 1.150	- / -	- / 1.150	- / 2.220	- / 1.355	- / 2.485	- / -	- / 2.412	- / 42.121	
B Kits													
Recurring													
2.1.1) Archived Mods - Organic	- / 44.754	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 44.754	
2.1.2) Block 3 - Organic ⁽⁷⁾	- / -	3 / 1.440	- / -	10 / 1.362	- / -	10 / 1.362	32 / 1.662	28 / 2.248	12 / 2.240	23 / 1.143	31 / 34.548	139 / 44.643	
Subtotal: Recurring	- / 44.754	- / 1.440	- / -	- / 1.362	- / -	- / 1.362	- / 1.662	- / 2.248	- / 2.240	- / 1.143	- / 34.548	- / 89.397	
Non-Recurring													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series				Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0				
Models of Systems Affected: CARGO TRANSPORT AC SERIES				Modification Type: SAFETY/RELIABILITY				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.2.1) Installation Equipment N/R - Organic	- / 3.363	- / 0.631	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.075	- / 6.069
<i>Subtotal: Non-Recurring</i>	- / 3.363	- / 0.631	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.075	- / 6.069
<i>Subtotal: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0</i>	112 / 126.110	57 / 10.570	8 / 1.601	27 / 5.227	- / -	27 / 5.227	70 / 9.517	59 / 7.803	24 / 7.825	46 / 6.718	53 / 45.520	456 / 220.891
<i>Subtotal: Procurement, All Modification Items</i>	- / 126.110	- / 10.570	- / 1.601	- / 5.227	- / -	- / 5.227	- / 9.517	- / 7.803	- / 7.825	- / 6.718	- / 45.520	- / 220.891
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.160
3.2) Data ⁽⁸⁾	- / 4.800	- / 0.325	- / 0.155	- / 0.275	- / -	- / 0.275	- / 0.303	- / 0.251	- / 0.300	- / 0.250	- / 2.307	- / 8.966
3.3) Training Equipment ⁽⁹⁾	- / 1.353	- / 0.100	- / 0.150	- / 0.175	- / -	- / 0.175	- / -	- / -	- / -	- / -	- / 4.061	- / 5.839
3.4) Support Equipment	- / 0.356	- / 0.210	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.061	- / 1.687
3.5) ILS ⁽¹⁰⁾	- / 4.002	- / 0.387	- / 0.032	- / 0.124	- / -	- / 0.124	- / 0.200	- / 0.200	- / 0.150	- / 0.150	- / 2.193	- / 7.438
3.6) Other Support ⁽¹¹⁾	- / 8.560	- / 1.838	- / 0.107	- / 0.615	- / -	- / 0.615	- / 0.664	- / 0.516	- / 0.599	- / 0.539	- / 1.480	- / 14.918
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 19.231	- / 2.860	- / 0.504	- / 1.189	- / -	- / 1.189	- / 1.167	- / 0.967	- / 1.049	- / 0.939	- / 11.102	- / 39.008
Installation												
<i>Modification Item 1 of 1:</i> COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0	- / 13.728	- / 4.032	- / 1.905	- / 2.300	- / -	- / 2.300	- / 4.500	- / 3.225	- / 1.450	- / 2.900	- / 17.713	- / 51.753
<i>Subtotal: Installation</i>	- / 13.728	- / 4.032	- / 1.905	- / 2.300	- / -	- / 2.300	- / 4.500	- / 3.225	- / 1.450	- / 2.900	- / 17.713	- / 51.753
Total												
Total Cost (Procurement + Support + Installation)	159.069	17.462	4.010	8.716	-	8.716	15.184	11.995	10.324	10.557	74.335	311.652

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series			Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0	
Modification Item 1 of 1: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0							
Manufacturer Information							
Manufacturer Name: Various - C-40/C-9				Manufacturer Location: Various			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013		Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates	Jan 2014		Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020
Manufacturer Name: M7 Aerospace UC-35				Manufacturer Location: San Antonio, TX			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014		Dec 2016	Dec 2017		
Delivery Dates	Jan 2014	Jan 2015		Jan 2017	Jan 2018		
Manufacturer Name: M7 Aerospace C-26				Manufacturer Location: San Antonio, TX			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016			
Delivery Dates	Jan 2014	Jan 2015	Jan 2016	Jan 2017			
Manufacturer Name: Gulfstream-C-20				Manufacturer Location: Savannah, GA			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 2			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017		
Delivery Dates	Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018		
Manufacturer Name: Gulfstream-C-37				Manufacturer Location: Savannah, GA			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015		Dec 2017		
Delivery Dates	Mar 2014	Mar 2015	Mar 2016		Mar 2018		
Manufacturer Name: L-3 Vertex - C-12				Manufacturer Location: Madison, Mississippi			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 1			

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

Modification Item 1 of 1: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

Manufacturer Information

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013		Dec 2015	Dec 2016	Dec 2017		
Delivery Dates	Jan 2014		Jan 2016	Jan 2017	Jan 2018		

Installation Information

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM C-40A/C-9

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	19 / 0.765	2 / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.865
FY 2014	- / -	14 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.300
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	3 / 0.600	- / -	3 / 0.600	- / -	- / -	- / -	- / -	- / -	3 / 0.600
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.400	- / -	- / -	- / -	- / -	7 / 1.400
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.800	- / -	- / -	- / -	4 / 0.800
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.450	- / -	- / 0.367	12 / 1.817
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 2.900	- / -	23 / 2.900
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	19 / 0.765	16 / 0.400	- / -	3 / 0.600	- / -	3 / 0.600	7 / 1.400	4 / 0.800	12 / 1.450	23 / 2.900	- / 0.367	84 / 8.682

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	19	-	1	7	8	-	-	-	-	-	1	1	1	-	3	2	2	-	1	2	1	-	4	4	4	-	8	8	7	-	84
Out	19	-	1	7	8	-	-	-	-	-	1	1	1	-	3	2	2	-	1	2	1	-	4	4	4	-	8	8	7	-	84

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM UC-35

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	13 / 3.649	4 / 0.415	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 4.064

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0)

Modification Item 1 of 1: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0)

Installation Information

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM UC-35

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	26 / 0.785	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 0.785
FY 2015	- / -	- / -	2 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.480
FY 2016	- / -	- / -	- / -	1 / 0.250	- / -	1 / 0.250	- / -	- / -	- / -	- / -	- / -	1 / 0.250
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.600	- / -	- / -	- / -	- / -	4 / 0.600
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.200	- / -	- / -	- / -	8 / 1.200
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 14.536	9 / 14.536
Total	13 / 3.649	30 / 1.200	2 / 0.480	1 / 0.250	- / -	1 / 0.250	4 / 0.600	8 / 1.200	- / -	- / -	9 / 14.536	67 / 21.915

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	13	-	3	16	11	-	1	1	-	-	-	1	-	-	1	2	1	-	4	2	2	-	-	-	-	-	-	-	-	9	67
Out	13	-	3	16	11	-	1	1	-	-	-	1	-	-	1	2	1	-	4	2	2	-	-	-	-	-	-	-	-	9	67

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM C-26

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	11 / 1.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.050
FY 2014	- / -	3 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.600
FY 2015	- / -	- / -	1 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200
FY 2016	- / -	- / -	- / -	3 / 0.600	- / -	3 / 0.600	- / -	- / -	- / -	- / -	- / -	3 / 0.600
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.250	- / -	- / -	- / -	- / -	1 / 0.250
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

Modification Item 1 of 1: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

Installation Information

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM C-26

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.130	8 / 1.130
Total	11 / 1.050	3 / 0.600	1 / 0.200	3 / 0.600	- / -	3 / 0.600	1 / 0.250	- / -	- / -	- / -	8 / 1.130	27 / 3.830

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	11	-	1	1	1	-	-	1	-	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	27
Out	11	-	1	1	1	-	-	1	-	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	27

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM C-20

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	20 / 5.546	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 5.546
FY 2014	- / -	1 / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.100
FY 2015	- / -	- / -	3 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.000
FY 2016	- / -	- / -	- / -	5 / 0.550	- / -	5 / 0.550	- / -	- / -	- / -	- / -	- / -	5 / 0.550
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.000	- / -	- / -	- / -	- / -	7 / 1.000
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.500	- / -	- / -	- / -	5 / 0.500
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	20 / 5.546	1 / 0.100	3 / 1.000	5 / 0.550	- / -	5 / 0.550	7 / 1.000	5 / 0.500	- / -	- / -	- / -	41 / 8.696

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

Modification Item 1 of 1: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

Installation Information

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM C-20

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	20	-	1	-	-	-	1	1	1	-	2	2	1	-	2	3	2	-	2	2	1	-	-	-	-	-	-	-	-	-	41
Out	20	-	1	-	-	-	1	1	1	-	2	2	1	-	2	3	2	-	2	2	1	-	-	-	-	-	-	-	-	-	41

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM C-12

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	37 / 2.718	6 / 0.170	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 2.888
FY 2014	- / -	9 / 0.562	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.562
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	- / -	- / -	- / -	- / -	- / -	4 / 0.200
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.750	- / -	- / -	- / -	- / -	15 / 0.750
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.500	- / -	- / -	- / -	10 / 0.500
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	37 / 2.718	15 / 0.732	- / -	4 / 0.200	- / -	4 / 0.200	15 / 0.750	10 / 0.500	- / -	- / -	- / -	81 / 4.900

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	37	3	6	3	3	-	-	-	-	-	1	2	1	-	7	4	4	-	5	4	1	-	-	-	-	-	-	-	-	-	81
Out	37	3	6	3	3	-	-	-	-	-	1	2	1	-	7	4	4	-	5	4	1	-	-	-	-	-	-	-	-	-	81

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

Modification Item 1 of 1: COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

Installation Information

Method of Implementation: Depot Contractor:: Installation Name: CNS/ATM C-37

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	1 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000
FY 2015	- / -	- / -	2 / 0.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.225
FY 2016	- / -	- / -	- / -	1 / 0.100	- / -	1 / 0.100	- / -	- / -	- / -	- / -	- / -	1 / 0.100
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.500	- / -	- / -	- / -	- / -	4 / 0.500
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.225	- / -	- / -	- / -	4 / 0.225
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.680	5 / 1.680
Total	- / -	1 / 1.000	2 / 0.225	1 / 0.100	- / -	1 / 0.100	4 / 0.500	4 / 0.225	- / -	- / -	5 / 1.680	17 / 3.730

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	1	-	-	-	1	1	-	-	-	1	-	-	2	1	1	-	1	2	1	-	-	-	-	-	-	-	-	5	17
Out	-	-	-	1	-	-	1	1	-	-	-	1	-	-	2	1	1	-	1	2	1	-	-	-	-	-	-	-	-	5	17

Method of Implementation (Organic): Not Installed - Block 3

Installation Quantity: 139

Footnotes:

- (1) The kit cost and installations are based on the mandates that are required each year for each aircraft. The kit cost is not based on the inflation factor. It is based on the complexity of the block upgrade requirements anticipated in the mandate which will be more complex and costly to install depending upon the aircraft configuration.
- (2) The kit cost and installations are based on the mandates that are required each year for each aircraft. The kit cost is not based on inflation factor. It is based on the complexity of the block upgrade requirements anticipated in the mandate which will be more complex and costly to install depending upon the aircraft configuration.
- (3) The kit cost and installations are based on the mandates that are required each year for each aircraft. The kit cost is not based on the inflation factor. It is based on the complexity of the block upgrade requirements anticipated in the mandate which will be more complex and costly to install depending upon the aircraft configuration.
- (4) The kit cost and installations are based on the mandates that are required each year for each aircraft. The kit cost is not based on the inflation factor. It is based on the complexity of the block upgrade requirements anticipated in the mandate which will be more complex and costly to install depending upon the aircraft configuration.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 2 / COMMUNICATION, NAVIGATION AND SURVEILLANCE - AIR TRAFFIC MANAGEMENT (CNS-ATM) RESERVE FORCES (OSIP 0

(5) The kit cost and installations are based on the mandates that are required each year for each aircraft. The kit cost is not based on the inflation factor. It is based on the complexity of the block upgrade requirements anticipated in the mandate which will be more complex and costly to install depending upon the aircraft configuration.

(6) The kit cost and installations are based on the mandates that are required each year for each aircraft. The kit cost is not based on the inflation factor. It is based on the complexity of the block upgrade requirements anticipated in the mandate which will be more complex and costly to install depending upon the aircraft configuration.

(7) The kit cost and installations are based on the mandates that are required each year for each aircraft. The kit cost is not based on the inflation factor. It is based on the complexity of the block upgrade requirements anticipated in the mandate which will be more complex and costly to install depending upon the aircraft configuration.

(8) FY16-FY19 spike due to cost associated with Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) FAA Mandates.

(9) The training equipment cost are based on the mandates that are required each year for each aircraft. The training equipment cost is not based on the inflation factor. It is based on the complexity of the block upgrade requirements anticipated in the mandate which will be more complex and costly to install depending upon the aircraft configuration.

(10) FY16-FY19 spike due to cost associated with Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) FAA Mandates.

(11) FY16-FY17 spike due to cost associated with Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) FAA Mandates.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series	Modification Number / Title: 3 / Safety/Obsolescence Upgrades (013-16)

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>	0.000	-	-	0.175	-	0.175	0.025	0.025	0.025	0.025	-	0.275
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	0.175	-	0.175	0.025	0.025	0.025	0.025	-	0.275
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	0.175	-	0.175	0.025	0.025	0.025	0.025	-	0.275
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the following cargo and transport airlift aircraft: C-9B, C-40A, C-20D/G, C-37A/B, UC-35C/D, C-26D, EC-26D, RC-26D, TC-12B, UC-12B/F/M/W, RC-12M. To ensure preservation of the airlift capabilities world-wide, this Safety, Reliability and Obsolescence Improvement OSIP provides funding to correct deficiencies that adversely affect aircraft safety, reliability and/or availability; specifically deficiencies that are not corrected through the existing FAA commercial service bulletin process because they are peculiar systems/equipment to the Navy. Navy peculiar aircraft systems include but are not limited to navigation systems, communication, survivability equipment, and cargo/passenger loading and carriage systems.

Modifications will support all readiness, obsolescent, and safety of flight improvements to existing Navy peculiar aircraft systems.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series					Modification Number / Title: 3 / Safety/Obsolescence Upgrades (013-16)			
Models of Systems Affected: CARGO TRANSPORT AC SERIES					Modification Type: SAFETY/RELIABILITY					Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: Safety/Obsolescence Upgrades (013-16)</i>													
A Kits													
Recurring													
1.1.1) AirStair - Organic	- / -	- / -	- / -	1 / 0.025	- / -	1 / 0.025	1 / 0.025	1 / 0.025	1 / 0.025	1 / 0.025	- / -	5 / 0.125	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / 0.025	- / -	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.125	
Non-Recurring													
1.2.1) A Kit Non-Recurring - Organic	- / -	- / -	- / -	- / 0.150	- / -	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / 0.150	
<i>Subtotal: Non-Recurring</i>	- / 0.000	- / -	- / -	- / 0.150	- / -	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / 0.150	
<i>Subtotal: Safety/Obsolescence Upgrades (013-16)</i>	- / -	- / -	- / -	1 / 0.175	- / -	1 / 0.175	1 / 0.025	1 / 0.025	1 / 0.025	1 / 0.025	- / -	5 / 0.275	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / 0.175	- / -	- / 0.175	- / 0.025	- / 0.025	- / 0.025	- / 0.025	- / -	- / 0.275	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	0.175	-	0.175	0.025	0.025	0.025	0.025	-	0.275	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series			Modification Number / Title: 3 / Safety/Obsolescence Upgrades (013-16)	
Modification Item 1 of 1: Safety/Obsolescence Upgrades (013-16)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - AirStair					Installation Quantity: 5		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series					Modification Number / Title: 4 / RESERVE FORCES Inactive OSIPs			
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>	75.818	-	-	-	-	-	-	-	-	-	-	75.818
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	75.818	-	-	-	-	-	-	-	-	-	-	75.818
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	75.818	-	-	-	-	-	-	-	-	-	-	75.818
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series						Modification Number / Title: 4 / RESERVE FORCES Inactive OSIPs			
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: N/A</i>													
<i>Subtotal: N/A</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
3.1) Inactive OSIPs	- / 75.818	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 75.818	
<i>Subtotal: Support</i>	- / 75.818	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 75.818	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	75.818	-	-	-	-	-	-	-	-	-	-	75.818	

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0562 / Cargo/Transport Acft Series			Modification Number / Title: 4 / RESERVE FORCES Inactive OSIPs	
<i>Modification Item 1 of 1:</i> N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation						Installation Quantity: 0	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0564 / E-6 Series					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0101402N				
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>)	771.308	157.528	202.129	185.253	-	185.253	204.195	205.694	205.845	149.319	299.189	2,380.460
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	771.308	157.528	202.129	185.253	-	185.253	204.195	205.694	205.845	149.319	299.189	2,380.460
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	771.308	157.528	202.129	185.253	-	185.253	204.195	205.694	205.845	149.319	299.189	2,380.460
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to the E-6 Mercury aircraft to improve mission capability and readiness. All sixteen (16) aircraft in the E-6 fleet will receive each modification. The E-6 is a manned airborne communications platform designed to provide a survivable, enduring, and reliable airborne Command and Control Communications capability in support of the President, Secretary of Defense and United States strategic and non-strategic forces. Safety Deficiencies (OSIP 008-02) corrects high risk aircraft safety hazards to protect personnel and equipment enabling mission readiness. Tech Insertion (OSIP 003-04) corrects aircraft obsolescence, supportability, weight management and interoperability deficiencies through new technology insertion enabling mission readiness and mandate compliance. Service Life Extension Program (OSIP 003-07) extends the service life of the aircraft to 2040+ through airframe strengthening and structural data recording and analysis. Communications Upgrade (OSIP 012-07) installs expanded aircraft communication bandwidth capability required to improve airborne command post operations. Block I (OSIP 008-10) corrects Airborne Command Post (ABNCP) operational test deficiencies to improve mission capability, readiness and legacy system obsolescence. Multi-Role Tactical Common Data Link (OSIP 013-10) installs expanded aircraft communication bandwidth capability required to interoperate with United States Strategic Command's National Command and Control Architecture. Auxiliary Power Unit (APU) (OSIP 002-12) corrects airborne command post operational test deficiencies by installing an improved APU to meet increased aircraft power requirements. Family of Advanced Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNVC) (OSIP 014-14) replaces obsolete Military Strategic Tactical Relay terminals with improved FAB-T, and installs PNVC to provide specialized secure voice capability over the strategic Advanced Extremely High Frequency satellite communications system.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0564 / E-6 Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0101402N		
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)
1 / Safety Deficiencies (OSIP 008-02) (Capability)	P-3a		- / 74.990	- / 3.687	- / 3.355	- / 2.831	- / -	- / 2.831
2 / Tech Insertion (OSIP 003-04) ()	P-3a		- / 122.261	- / 13.820	- / 18.798	- / 8.062	- / -	- / 8.062
3 / Service Life Extension Program (SLEP) (OSIP 003-07) ()	P-3a		- / 72.427	- / 22.079	- / 13.769	- / 17.582	- / -	- / 17.582
4 / Communications Upgrade (OSIP 012-07) ()	P-3a		- / 177.217	- / 18.828	- / 21.410	- / 15.231	- / -	- / 15.231
5 / Block I (OSIP 008-10) ()	P-3a		- / 250.002	- / 65.014	- / 81.251	- / 47.535	- / -	- / 47.535
6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10) ()	P-3a		- / 54.981	- / 23.778	- / 33.579	- / 48.568	- / -	- / 48.568
7 / Auxiliary Power Unit (APU) (OSIP 002-12) ()	P-3a		- / 5.129	- / 10.322	- / 7.969	- / 20.567	- / -	- / 20.567
8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC) (OSIP 014-14) ()	P-3a		- / 0.000	- / -	- / 21.998	- / 24.877	- / -	- / 24.877
9 / Inactive OSIPS ()	P-3a		- / 14.301	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 771.308	- / 157.528	- / 202.129	- / 185.253	- / -	- / 185.253
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / Safety Deficiencies (OSIP 008-02) (Capability)	P-3a		- / 2.897	- / 2.210	- / 2.656	- / 1.907	- / -	- / 94.533
2 / Tech Insertion (OSIP 003-04) ()	P-3a		- / 18.747	- / 51.437	- / 122.294	- / 117.295	- / 272.625	- / 745.339
3 / Service Life Extension Program (SLEP) (OSIP 003-07) ()	P-3a		- / 4.413	- / 3.551	- / 7.985	- / 9.115	- / 26.564	- / 177.485
4 / Communications Upgrade (OSIP 012-07) ()	P-3a		- / 17.311	- / 9.122	- / -	- / -	- / -	- / 259.119
5 / Block I (OSIP 008-10) ()	P-3a		- / 54.834	- / 24.526	- / -	- / -	- / -	- / 523.162
6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10) ()	P-3a		- / 54.170	- / 40.765	- / 15.568	- / -	- / -	- / 271.409
7 / Auxiliary Power Unit (APU) (OSIP 002-12) ()	P-3a		- / 27.801	- / 24.509	- / 14.442	- / -	- / -	- / 110.739
8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC) (OSIP 014-14) ()	P-3a		- / 24.022	- / 49.574	- / 42.900	- / 21.002	- / -	- / 184.373
9 / Inactive OSIPS ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 14.301
Total Gross/Weapon System Cost			- / 204.195	- / 205.694	- / 205.845	- / 149.319	- / 299.189	- / 2,380.460
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: The FY 2016 funding request was reduced by \$9.635 million to account for the availability of prior year execution balances.								

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 1 / Safety Deficiencies (OSIP 008-02)			
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>)	74.990	3.687	3.355	2.831	-	2.831	2.897	2.210	2.656	1.907	-	94.533
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	74.990	3.687	3.355	2.831	-	2.831	2.897	2.210	2.656	1.907	-	94.533
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	74.990	3.687	3.355	2.831	-	2.831	2.897	2.210	2.656	1.907	-	94.533
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION: Safety Deficiencies corrects high risk aircraft safety hazards to protect personnel and equipment enabling mission readiness. Federal agency directives, aging aircraft material condition, and the operational environment generate safety hazards for correction. Modifications include, but not limited to: Fuel Quantity Indicating System (FQIS) installation; Aircraft Acoustic Thermal Blankets replacement; Kapton wiring replacement; and other safety deficiencies that require correction. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FQIS Non-Recurring Engineering (NRE) completed in FY10 with production kit buys and installations in FY11-FY17; Acoustic Thermal Blanket Phase 2, 1 install kit complete in FY12; 4 kit buys and installations in FY13-FY14 (5 A/C); Aircraft Kapton Wire kit buys and installs in FY13 to FY20.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 1 / Safety Deficiencies (OSIP 008-02)				
Models of Systems Affected: E-6 Series			Modification Type: Capability					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Safety Deficiencies (OSIP 008-02)												
A Kits												
Recurring												
1.1.1) KAPTON 1A Kit - NonOrganic	2 / 0.133	2 / 0.137	2 / 0.137	2 / 0.139	- / -	2 / 0.139	2 / 0.141	2 / 0.143	3 / 0.219	1 / 0.075	- / -	16 / 1.124
1.1.2) FQIS Kit - NonOrganic	2 / 0.069	4 / 0.144	4 / 0.145	3 / 0.110	- / -	3 / 0.110	3 / 0.110	- / -	- / -	- / -	- / -	16 / 0.578
1.1.3) Archived ECPs - Organic	112 / 17.655	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	112 / 17.655
Subtotal: Recurring	- / 17.857	- / 0.281	- / 0.282	- / 0.249	- / -	- / 0.249	- / 0.251	- / 0.143	- / 0.219	- / 0.075	- / -	- / 19.357
Non-Recurring												
1.2.1) Installation Kits N/R - NonOrganic	- / 23.509	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.509
Subtotal: Non-Recurring	- / 23.509	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.509
B Kits												
Recurring												
2.1.1) Blankets Phase 2 Equipment - NonOrganic	3 / 0.234	2 / 0.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.393
2.1.2) Archived ECPs - Organic	181 / 5.860	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	181 / 5.860
Subtotal: Recurring	- / 6.094	- / 0.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.253
Non-Recurring												
2.2.1) Installation Equipment N/R - NonOrganic	- / 3.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.122
Subtotal: Non-Recurring	- / 3.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.122
Subtotal: Safety Deficiencies (OSIP 008-02)	300 / 50.582	8 / 0.440	6 / 0.282	5 / 0.249	- / -	5 / 0.249	5 / 0.251	2 / 0.143	3 / 0.219	1 / 0.075	- / -	330 / 52.241
Subtotal: Procurement, All Modification Items	- / 50.582	- / 0.440	- / 0.282	- / 0.249	- / -	- / 0.249	- / 0.251	- / 0.143	- / 0.219	- / 0.075	- / -	- / 52.241
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.699	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.699
3.3) Training Equipment	11 / 3.938	- / -	1 / 0.285	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 4.223
3.4) Support Equipment	- / 0.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.045
3.5) ILS	- / 0.466	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.466
3.6) Other Support ⁽¹⁾	- / 16.855	- / 1.851	- / 1.369	- / 1.394	- / -	- / 1.394	- / 1.421	- / 1.449	- / 1.477	- / 1.504	- / -	- / 27.320
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 22.003	- / 1.851	- / 1.654	- / 1.394	- / -	- / 1.394	- / 1.421	- / 1.449	- / 1.477	- / 1.504	- / -	- / 32.753
Installation												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 1 / Safety Deficiencies (OSIP 008-02)			
Models of Systems Affected: E-6 Series			Modification Type: Capability					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 1 of 1: Safety Deficiencies (OSIP 008-02)	- / 2.405	- / 1.396	- / 1.419	- / 1.188	- / -	- / 1.188	- / 1.225	- / 0.618	- / 0.960	- / 0.328	- / -	- / 9.539
Subtotal: Installation	- / 2.405	- / 1.396	- / 1.419	- / 1.188	- / -	- / 1.188	- / 1.225	- / 0.618	- / 0.960	- / 0.328	- / -	- / 9.539
Total												
Total Cost (Procurement + Support + Installation)	74.990	3.687	3.355	2.831	-	2.831	2.897	2.210	2.656	1.907	-	94.533

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 1 / Safety Deficiencies (OSIP 008-02)					
Modification Item 1 of 1: Safety Deficiencies (OSIP 008-02)													
Manufacturer Information													
Manufacturer Name: Kapton 1A/Grace Electronics							Manufacturer Location: Hollbrook NY						
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 5						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates	Jan 2014	Feb 2015	Jan 2016	Jan 2017	Oct 2017	Oct 2018	Oct 2019						
Delivery Dates	Jun 2014	Jul 2015	Jun 2016	Jun 2017	Dec 2017	Dec 2018	Dec 2019						
Manufacturer Name: FQIS/DOE							Manufacturer Location: Kansas City MO						
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 3						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates	Jan 2014	Jan 2015	Jan 2016	Oct 2016									
Delivery Dates	Apr 2014	Apr 2015	Apr 2016	Dec 2016									
Manufacturer Name: Blankets Ph2/First State Manufacturing							Manufacturer Location: Milford DE						
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 1						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates	Nov 2013												
Delivery Dates	Dec 2013												
Manufacturer Name: Training Equipment / TBD							Manufacturer Location: TBD						
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 2						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates		Jan 2015											
Delivery Dates		Mar 2015											
Installation Information													
Method of Implementation: Drive In:: Installation Name: KAPTON 1A Kit													
Installation Cost	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Prior Years	2 / 0.534	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.534	
FY 2014	- / -	2 / 0.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.550	
FY 2015	- / -	- / -	2 / 0.566	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.566	
FY 2016	- / -	- / -	- / -	2 / 0.582	- / -	2 / 0.582	- / -	- / -	- / -	- / -	- / -	2 / 0.582	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.600	- / -	- / -	- / -	- / -	2 / 0.600	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.618	- / -	- / -	- / -	2 / 0.618	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 1 / Safety Deficiencies (OSIP 008-02)			

Modification Item 1 of 1: Safety Deficiencies (OSIP 008-02)

Installation Information

Method of Implementation: Drive In:: Installation Name: KAPTON 1A Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.960	- / -	- / -	3 / 0.960
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.328	- / -	1 / 0.328
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.534	2 / 0.550	2 / 0.566	2 / 0.582	- / -	2 / 0.582	2 / 0.600	2 / 0.618	3 / 0.960	1 / 0.328	- / -	16 / 4.738

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2	-	-	1	1	-	-	-	2	-	-	1	1	-	-	1	1	1	1	-	-	1	1	1	-	1	-	-	-	-	16
Out	2	-	-	-	-	1	-	1	-	-	1	1	-	-	1	1	-	-	1	1	1	1	-	1	1	1	-	1	-	-	16

Method of Implementation: Drive In:: Installation Name: FQIS Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2 / 0.209	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.209
FY 2014	- / -	4 / 0.729	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.729
FY 2015	- / -	- / -	4 / 0.785	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.785
FY 2016	- / -	- / -	- / -	3 / 0.606	- / -	3 / 0.606	- / -	- / -	- / -	- / -	- / -	3 / 0.606
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.625	- / -	- / -	- / -	- / -	3 / 0.625
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.209	4 / 0.729	4 / 0.785	3 / 0.606	- / -	3 / 0.606	3 / 0.625	- / -	- / -	- / -	- / -	16 / 2.954

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 1 / Safety Deficiencies (OSIP 008-02)

Modification Item 1 of 1: Safety Deficiencies (OSIP 008-02)

Installation Information

Method of Implementation: Drive In:: Installation Name: FQIS Kit

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2	-	-	1	3	-	-	1	3	-	-	1	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	2	-	-	-	3	1	-	-	3	1	-	-	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	16

Method of Implementation: Drive In:: Installation Name: Blankets Phase 2 Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	3 / 0.177	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.177
FY 2014	- / -	2 / 0.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.117
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 0.177	2 / 0.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.294

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		
Out	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	11 / 1.485	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.485
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0564 / E-6 Series			Modification Number / Title: 1 / Safety Deficiencies (OSIP 008-02)

Modification Item 1 of 1: Safety Deficiencies (OSIP 008-02)

Installation Information

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	1 / 0.068	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.068
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	11 / 1.485	- / -	1 / 0.068	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.553

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	11	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	11	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12

Method of Implementation (Organic): Organic - Archived ECPs

Installation Quantity: 112

Method of Implementation (Organic): Organic - Archived ECPs

Installation Quantity: 181

Footnotes:

⁽¹⁾ Other Support cost in FY17-FY20 is for continued support of emergent aircraft safety hazards to enable mission readiness.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)

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>	122.261	13.820	18.798	8.062	-	8.062	18.747	51.437	122.294	117.295	272.625	745.339
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	122.261	13.820	18.798	8.062	-	8.062	18.747	51.437	122.294	117.295	272.625	745.339
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	122.261	13.820	18.798	8.062	-	8.062	18.747	51.437	122.294	117.295	272.625	745.339

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

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

Description:

DESCRIPTION/JUSTIFICATION: Tech Insertion corrects aircraft obsolescence, supportability, weight management and interoperability deficiencies through new technology insertion enabling mission readiness and mandate compliance. Unsupportable computing technology, communication systems, interoperability gaps, and the need to maintain aircraft range and endurance through weight reduction generates mission critical modification requirements. Modifications include, but not limited to: CRYPTO Modernization; Brakes; Seats; Glare Shield; High Power Transmit Set (HPTS) and the HPTS Camera; Automated Dependent Surveillance Broadcast (ADS-B OUT); High Frequency Automatic Link Establishment (HF ALE); Common Very Low Frequency Receiver (CVLR); Communication Navigation and Surveillance Air Traffic Management (CNS/ATM); Missions Operation Monitor (MOM); Aircraft Electrical System; Airborne Launch Control System (ALCS); and other tech insertion corrections.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: CRYPTO Modernization Non-Recurring Engineering (NRE) FY11-FY12; production kit buys in FY12-FY13 with installs in FY13-FY14. Brakes NRE kit installed in FY13; production install kit buys in FY12-FY14 with installs in FY13-FY15. Seats NRE in FY13; with NRE kit buy and installation in FY14; production install kit buys in FY14-FY15 and installation in FY15 and FY16. Glare Shield NRE kit buys in FY14 with production kit buys and installation in FY14-FY16. HPTS NRE FY17, and NRE Kit Buy in FY18; production kit buys FY19 to Beyond FYDP. HPTS Camera NRE FY14; NRE kit buy in FY15; production kit buys in FY15-FY16 and installs in FY16-FY17. ADS-B Out NRE kit buy FY16; production kit buys and installation FY17-FY18. HF ALE system NRE kit buy FY17; with production kit buys and installs FY18-FY20. CVLR NRE FY17 and NRE kit Buy FY18; production kit buys and production installs FY19 to beyond the FYDP. CNS/ATM NRE Kit buy FY18; production kit buys and installs FY19 to beyond FYDP. MOM NRE Kit buy FY19; production kit buys and installs beyond FYDP. Aircraft Electrical NRE kit buy FY20; production kit buys and installs beyond FYDP. ALCS NRE kit buy FY19; production kit buys and installs FY20 to beyond FYDP.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)				
Models of Systems Affected: E-6 Series			Modification Type:						Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Tech Insertion (OSIP 003-04)													
A Kits													
Recurring													
1.1.1) ARC 210 Radio/Crypto - NonOrganic	16 / 1.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.747	
1.1.2) HPTS - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.557	4 / 2.228	4 / 2.268	7 / 4.039	16 / 9.092	
1.1.3) CNS/ATM - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.376	3 / 1.149	6 / 2.339	6 / 2.381	16 / 6.245	
1.1.4) SEATS - NonOrganic	- / -	6 / 2.100	10 / 3.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 5.600	
1.1.5) CVLR - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.363	4 / 1.452	4 / 1.478	7 / 2.632	16 / 5.925	
1.1.6) MOM - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.259	15 / 3.997	
1.1.7) AC ELECTRICAL - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.363	15 / 5.523	
1.1.8) HF ALE - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.350	3 / 1.069	8 / 2.901	4 / 1.477	- / -	16 / 5.797	
1.1.9) CARBON BRAKES - NonOrganic	12 / 5.196	4 / 1.732	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 6.928	
1.1.10) ALCS - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.127	7 / 0.905	8 / 1.053	16 / 2.085	
1.1.11) GLARESHIELD - NonOrganic	- / -	7 / 0.021	6 / 0.018	3 / 0.009	- / -	3 / 0.009	- / -	- / -	- / -	- / -	- / -	16 / 0.048	
1.1.12) HPTS Camera - NonOrganic	- / -	- / -	8 / 0.048	8 / 0.048	- / -	8 / 0.048	- / -	- / -	- / -	- / -	- / -	16 / 0.096	
1.1.13) ADS-B OUT - Organic	- / -	- / -	- / -	1 / 0.015	- / -	1 / 0.015	10 / 0.153	5 / 0.078	- / -	- / -	- / -	16 / 0.246	
1.1.14) Lab - Organic	4 / 0.036	- / -	- / -	- / -	- / -	- / -	1 / 0.350	3 / 2.237	- / -	1 / 0.259	- / -	9 / 2.882	
1.1.15) Archived ECPs - Organic	79 / 1.237	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	79 / 1.237	
1.1.16) PY Installs - Organic	94 / 3.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / 3.614	
Subtotal: Recurring	- / 11.830	- / 3.853	- / 3.566	- / 0.072	- / -	- / 0.072	- / 0.853	- / 4.680	- / 7.857	- / 9.348	- / 19.625	- / 61.684	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic (2)	- / 31.084	- / 1.212	- / 8.725	- / 3.840	- / -	- / 3.840	- / 5.611	- / 15.813	- / 53.365	- / 18.655	- / -	- / 138.305	
Subtotal: Non-Recurring	- / 31.084	- / 1.212	- / 8.725	- / 3.840	- / -	- / 3.840	- / 5.611	- / 15.813	- / 53.365	- / 18.655	- / -	- / 138.305	
B Kits													
Recurring													
2.1.1) ARC 210 Radio/Crypto - Organic	16 / 6.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 6.650	
2.1.2) HPTS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.451	4 / 5.804	4 / 5.908	7 / 10.523	16 / 23.686	
2.1.3) CNS/ATM - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.437	3 / 4.390	6 / 8.938	6 / 9.096	16 / 23.861	
2.1.4) AC ELECTRICAL - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.824	15 / 58.186	16 / 62.010	
2.1.5) MOM - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.859	15 / 44.120	16 / 46.979	
2.1.6) CVLR - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.517	4 / 2.068	4 / 2.105	7 / 3.749	16 / 8.439	
2.1.7) ALCS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.310	7 / 2.209	8 / 2.569	16 / 5.088	
2.1.8) HF ALE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.338	3 / 4.086	8 / 11.089	4 / 5.646	- / -	16 / 22.159	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)				
Models of Systems Affected: E-6 Series			Modification Type:					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.1.9) HPTS Camera - Organic	- / -	- / -	8 / 0.048	8 / 0.048	- / -	8 / 0.048	- / -	- / -	- / -	- / -	- / -	16 / 0.096
2.1.10) ADS-B OUT - Organic	- / -	- / -	- / -	1 / 0.010	- / -	1 / 0.010	10 / 0.102	5 / 0.052	- / -	- / -	- / -	16 / 0.164
2.1.11) Lab Equipment - NonOrganic	6 / 0.480	- / -	- / -	- / -	- / -	- / -	1 / 1.338	3 / 3.418	- / -	1 / 2.859	- / -	11 / 8.095
2.1.12) Archived ECPs - Organic	128 / 7.855	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	128 / 7.855
Subtotal: Recurring	- / 14.985	- / -	- / 0.048	- / 0.058	- / -	- / 0.058	- / 2.778	- / 10.961	- / 23.661	- / 34.348	- / 128.243	- / 215.082
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / 9.741	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.741
Subtotal: Non-Recurring	- / 9.741	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.741
Subtotal: Tech Insertion (OSIP 003-04)	355 / 67.640	17 / 5.065	32 / 12.339	21 / 3.970	- / -	21 / 3.970	24 / 9.242	28 / 31.454	40 / 84.883	56 / 62.351	116 / 147.868	689 / 424.812
Subtotal: Procurement, All Modification Items	- / 67.640	- / 5.065	- / 12.339	- / 3.970	- / -	- / 3.970	- / 9.242	- / 31.454	- / 84.883	- / 62.351	- / 147.868	- / 424.812
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽³⁾	- / 1.050	- / 0.035	- / 0.009	- / 0.275	- / -	- / 0.275	- / 0.200	- / 0.901	- / 0.650	- / 1.342	- / -	- / 4.462
3.3) Training Equipment ⁽⁴⁾	22 / 7.758	- / 0.210	4 / 0.246	- / 0.250	- / -	- / 0.250	2 / 4.799	2 / 7.960	5 / 12.919	6 / 18.166	2 / 4.594	43 / 56.902
3.4) Support Equipment	9 / 2.685	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.685
3.5) ILS ⁽⁵⁾	- / 0.983	- / 0.096	- / 0.088	- / 0.126	- / -	- / 0.126	- / -	- / 2.000	- / 1.250	- / 1.753	- / -	- / 6.296
3.6) Other Support	- / 35.323	- / 6.234	- / 4.846	- / 3.243	- / -	- / 3.243	- / 3.746	- / 2.800	- / 3.741	- / 3.808	- / 7.629	- / 71.370
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 47.799	- / 6.575	- / 5.189	- / 3.894	- / -	- / 3.894	- / 8.745	- / 13.661	- / 18.560	- / 25.069	- / 12.223	- / 141.715
Installation												
Modification Item 1 of 1: Tech Insertion (OSIP 003-04)	- / 6.822	- / 2.180	- / 1.270	- / 0.198	- / -	- / 0.198	- / 0.760	- / 6.322	- / 18.851	- / 29.875	- / 112.534	- / 178.812
Subtotal: Installation	- / 6.822	- / 2.180	- / 1.270	- / 0.198	- / -	- / 0.198	- / 0.760	- / 6.322	- / 18.851	- / 29.875	- / 112.534	- / 178.812
Total												
Total Cost (Procurement + Support + Installation)	122.261	13.820	18.798	8.062	-	8.062	18.747	51.437	122.294	117.295	272.625	745.339

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0564 / E-6 Series			Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)	
Modification Item 1 of 1: Tech Insertion (OSIP 003-04)							
Manufacturer Information							
Manufacturer Name: Various - MOM / AC Elec				Manufacturer Location: Various			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							Mar 2020
Delivery Dates							Mar 2021
Manufacturer Name: Various - CNS/ATM				Manufacturer Location: Various			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates					Mar 2019	Mar 2020	Mar 2021
Delivery Dates					Mar 2020	Mar 2021	Mar 2022
Manufacturer Name: Carbon Brakes/General Atomic Systems Integration				Manufacturer Location: Kaysville UT			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014						
Delivery Dates	Sep 2014						
Manufacturer Name: Seats/TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 7			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jul 2014	Jul 2015					
Delivery Dates	Jan 2015	Jan 2016					
Manufacturer Name: Glareshield/ TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 2			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2013	Oct 2014	Nov 2015				
Delivery Dates	Dec 2013	Dec 2014	Jan 2016				
Manufacturer Name: HPTS Camera/TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Dec 2014	Dec 2015				
Delivery Dates		Dec 2015	Dec 2016				
Manufacturer Name: Training Equipment / Multiple ⁽⁶⁾				Manufacturer Location: Multiple Various			

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)					
Modification Item 1 of 1: Tech Insertion (OSIP 003-04)													
Manufacturer Information													
Administrative Leadtime <i>(in Months)</i> : 0							Production Leadtime <i>(in Months)</i> : 0						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates													
Delivery Dates													
Manufacturer Name: Lab Equipment / Multiple							Manufacturer Location: Multiple Various						
Administrative Leadtime <i>(in Months)</i> : 4							Production Leadtime <i>(in Months)</i> : 2						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates				Jan 2017	Jan 2018	Dec 2018							
Delivery Dates				Mar 2017	Mar 2018	Dec 2019							
Manufacturer Name: Various - HPTS / CVLF							Manufacturer Location: TBD						
Administrative Leadtime <i>(in Months)</i> : 6							Production Leadtime <i>(in Months)</i> : 12						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates					Mar 2018	Mar 2019	Mar 2020						
Delivery Dates					Mar 2019	Mar 2020	Mar 2021						
Manufacturer Name: ALCS - TBD							Manufacturer Location: TBD						
Administrative Leadtime <i>(in Months)</i> : 6							Production Leadtime <i>(in Months)</i> : 12						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates						Mar 2019	Mar 2020						
Delivery Dates						Mar 2020	Mar 2021						
Manufacturer Name: HF-ALE - TBD							Manufacturer Location: TBD						
Administrative Leadtime <i>(in Months)</i> : 3							Production Leadtime <i>(in Months)</i> : 3						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates					Dec 2017	Dec 2018	Dec 2019						
Delivery Dates					Mar 2018	Mar 2019	Mar 2020						
Installation Information													
Method of Implementation: Drive In:: Installation Name: ARC 210 Radio/Crypto													
Installation Cost	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Prior Years	13 / 3.470	3 / 1.204	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 4.674	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)			

Modification Item 1 of 1: Tech Insertion (OSIP 003-04)

Installation Information

Method of Implementation: Drive In:: Installation Name: ARC 210 Radio/Crypto

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	13 / 3.470	3 / 1.204	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 4.674

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	13	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	12	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

Method of Implementation: Drive-In:: Installation Name: HPTS / CVLR

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.911	- / -	- / -	2 / 2.911
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 11.854	- / -	8 / 11.854
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 12.063	8 / 12.063
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 21.498	14 / 21.498
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.911	8 / 11.854	22 / 33.561	32 / 48.326

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy															Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0564 / E-6 Series										Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)				

Modification Item 1 of 1: Tech Insertion (OSIP 003-04)

Installation Information

Method of Implementation: Drive-In:: Installation Name: HPTS / CVLR

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	4	2	22	32	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	4	24	32	

Method of Implementation: [none specified]:: Installation Name: CNS/ATM

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.065	- / -	- / -	1 / 2.065
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.305	- / -	3 / 6.305
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 12.834	6 / 12.834
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 12.834	6 / 12.834
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.065	3 / 6.305	12 / 25.668	16 / 34.038

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	12	16
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	13	16

Method of Implementation: Drive In:: Installation Name: SEATS

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	6 / 0.053	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.053

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)

Modification Item 1 of 1: Tech Insertion (OSIP 003-04)

Installation Information

Method of Implementation: Drive In:: Installation Name: SEATS

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	10 / 0.089	- / -	10 / 0.089	- / -	- / -	- / -	- / -	- / -	10 / 0.089
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	6 / 0.053	10 / 0.089	- / -	10 / 0.089	- / -	- / -	- / -	- / -	- / -	16 / 0.142

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	2	2	2	3	2	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	-	-	-	-	-	-	2	2	2	3	2	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

Method of Implementation: [none specified]:: Installation Name: MOM

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.345	- / -	1 / 1.345
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 20.729	15 / 20.729
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.345	15 / 20.729	16 / 22.074

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)									

Modification Item 1 of 1: Tech Insertion (OSIP 003-04)

Installation Information

Method of Implementation: [none specified]:: Installation Name: MOM

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	15	16	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	15	16	

Method of Implementation: [none specified]:: Installation Name: AC ELECTRICAL

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.670	- / -	1 / 1.670
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 25.741	15 / 25.741
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.670	15 / 25.741	16 / 27.411

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	15	16		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	15	16	

Method of Implementation: [none specified]:: Installation Name: HF ALE

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)			

Modification Item 1 of 1: Tech Insertion (OSIP 003-04)

Installation Information

Method of Implementation: [none specified]:: Installation Name: HF ALE

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.345	- / -	- / -	- / -	- / -	1 / 0.345
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.054	- / -	- / -	- / -	3 / 1.054
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.859	- / -	- / -	8 / 2.859
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.456	- / -	4 / 1.456
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.345	3 / 1.054	8 / 2.859	4 / 1.456	- / -	16 / 5.714

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	2	2	2	2	2	2	-	-	-	16
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	2	2	2	2	2	2	-	-	16

Method of Implementation: Drive In:: Installation Name: CARBON BRAKES

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	8 / 1.256	4 / 0.502	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.758
FY 2014	- / -	1 / 0.126	3 / 0.496	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.622
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	8 / 1.256	5 / 0.628	3 / 0.496	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 2.380

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy																								Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1												P-1 Line Item Number / Title: 0564 / E-6 Series												Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)							
Modification Item 1 of 1: Tech Insertion (OSIP 003-04)																															
Installation Information																															
Method of Implementation: Drive In:: Installation Name: CARBON BRAKES																															
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	8	1	1	1	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	8	-	1	1	1	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Method of Implementation: [none specified]:: Installation Name: ALCS																															
Installation Cost		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							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.112		- / -		1 / 0.112					
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 0.798		7 / 0.798					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 0.928		8 / 0.928					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.112		15 / 1.726		16 / 1.838					
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	15	16
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	15	16
Method of Implementation: Drive In:: Installation Name: GLARESHIELD																															
Installation Cost		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							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		7 / 0.088		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 0.088					

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)			

Modification Item 1 of 1: Tech Insertion (OSIP 003-04)

Installation Information

Method of Implementation: Drive In:: Installation Name: GLARESHIELD

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	6 / 0.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.096
FY 2016	- / -	- / -	- / -	3 / 0.051	- / -	3 / 0.051	- / -	- / -	- / -	- / -	- / -	3 / 0.051
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.088	6 / 0.096	3 / 0.051	- / -	3 / 0.051	- / -	- / -	- / -	- / -	- / -	16 / 0.235

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	2	2	3	-	2	2	2	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	-	-	2	2	3	-	2	2	2	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

Method of Implementation: Drive In:: Installation Name: HPTS Camera

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	8 / 0.058	- / -	8 / 0.058	- / -	- / -	- / -	- / -	- / -	8 / 0.058
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.069	- / -	- / -	- / -	- / -	8 / 0.069
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	8 / 0.058	- / -	8 / 0.058	8 / 0.069	- / -	- / -	- / -	- / -	16 / 0.127

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)									

Modification Item 1 of 1: Tech Insertion (OSIP 003-04)

Installation Information

Method of Implementation: Drive In:: Installation Name: HPTS Camera

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	16

Method of Implementation: [none specified]:: Installation Name: Lab Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	6 / 0.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.112
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.346	- / -	- / -	- / -	- / -	1 / 0.346
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.798	2 / 2.911	- / -	- / -	3 / 4.709
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.345	- / -	1 / 1.345
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 0.112	- / -	- / -	- / -	- / -	- / -	1 / 0.346	1 / 1.798	2 / 2.911	1 / 1.345	- / -	11 / 6.512

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	6	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	1	-	-	-	1	-	-	-	11	
Out	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	1	-	-	-	1	-	11	

Method of Implementation: [none specified]:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	20 / 1.984	2 / 0.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 2.244
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)

Modification Item 1 of 1: Tech Insertion (OSIP 003-04)

Installation Information

Method of Implementation: [none specified]:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	4 / 0.625	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.625
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.880	- / -	- / -	- / -	2 / 0.880
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.590	1 / 0.448	- / -	- / -	2 / 3.038
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 7.657	2 / 1.930	- / -	5 / 9.587
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.858	2 / 3.145	6 / 7.003
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.964	2 / 1.964
Total	20 / 1.984	2 / 0.260	4 / 0.625	- / -	- / -	- / -	- / -	3 / 3.470	4 / 8.105	6 / 5.788	4 / 5.109	43 / 25.341

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	20	1	-	1	-	1	1	1	1	-	-	-	-	-	-	-	-	2	1	-	1	1	2	-	2	1	2	1	4	43	
Out	20	-	1	-	1	-	1	1	1	1	-	-	-	-	-	-	-	-	1	2	-	1	1	1	1	2	1	2	5	43	

Method of Implementation (Organic): Organic - ADS-B OUT	Installation Quantity: 16
Method of Implementation (Organic): Organic - Lab	Installation Quantity: 9
Method of Implementation (Organic): Organic - Archived ECPs	Installation Quantity: 79
Method of Implementation (Organic): Not Installed - PY Installs	Installation Quantity: 94
Method of Implementation (Organic): Organic - ARC 210 Radio/Crypto	Installation Quantity: 16
Method of Implementation (Organic): Organic - HPTS	Installation Quantity: 16
Method of Implementation (Organic): Organic - CNS/ATM	Installation Quantity: 16

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 2 / Tech Insertion (OSIP 003-04)
Modification Item 1 of 1: Tech Insertion (OSIP 003-04)		
Installation Information		
Method of Implementation (Organic): Organic - AC ELECTRICAL		Installation Quantity: 16
Method of Implementation (Organic): Organic - MOM		Installation Quantity: 16
Method of Implementation (Organic): Organic - CVLR		Installation Quantity: 16
Method of Implementation (Organic): Organic - ALCS		Installation Quantity: 16
Method of Implementation (Organic): Organic - HF ALE		Installation Quantity: 16
Method of Implementation (Organic): Organic - HPTS Camera		Installation Quantity: 16
Method of Implementation (Organic): Organic - ADS-B OUT		Installation Quantity: 16
Method of Implementation (Organic): Organic - Archived ECPs		Installation Quantity: 128
Footnotes: ⁽²⁾ Installation Kits N/R in FY15 and FY16 is to support the CNS/ATM & HF ALE procurement in FY17. Installation Kits N/R in FY17-FY20 is to support HPTS, CVLR, MOM, AC Electrical, and ALCS NRE A Kit procurement in FY19. ⁽³⁾ Data cost in FY16 is for the data publications of HPTS Camera efforts; in FY17, for CNS/ATM data publications; and in FY18, for HF ALE data management. ⁽⁴⁾ Training Equipment cost in FY15 is for the HPTS Camera. ⁽⁵⁾ ILS cost in FY16 is for Seats ILS management. ⁽⁶⁾ Administrative and Production Leadtimes vary for training equipment in FY13, FY15, and FY17-FY19.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 3 / Service Life Extension Program (SLEP) (OSIP 003-07)

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)	72.427	22.079	13.769	17.582	-	17.582	4.413	3.551	7.985	9.115	26.564	177.485
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	72.427	22.079	13.769	17.582	-	17.582	4.413	3.551	7.985	9.115	26.564	177.485
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	72.427	22.079	13.769	17.582	-	17.582	4.413	3.551	7.985	9.115	26.564	177.485
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: Service Life Extension Program (SLEP) extends the service life of the aircraft to 2040+ through airframe strengthening and structural data recording and analysis. Just in time modifications to prevent aircraft grounding due to fatigue life expended. Modifications include, but not limited to: SLEP; Individual Aircraft Tracking System (IATS); Crash Survivable Flight Incident Recorder (CSFIR) Phase 2.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: SLEP Installation Kit production buys in FY09-FY16 with installs in FY09-FY16. CSFIR Phase 2 Non-Recurring Engineering (NRE) FY17 to beyond Future Years Defense Plan (FYDP) with NRE kit buy in FY19; NRE kit install, production kits and production installs beyond FYDP.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 3 / Service Life Extension Program (SLEP) (OSIP 003-07)					
Models of Systems Affected: E-6 Series				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Service Life Extension Program (SLEP) (OSIP 003-07)													
A Kits													
Recurring													
1.1.1) SLEP Phase One Kits - NonOrganic	9 / 6.969	3 / 2.805	2 / 1.900	2 / 1.934	- / -	2 / 1.934	- / -	- / -	- / -	- / -	- / -	16 / 13.608	
1.1.2) CSFIR Phase Two Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.407	7 / 2.901	8 / 3.376	16 / 6.684	
Subtotal: Recurring	- / 6.969	- / 2.805	- / 1.900	- / 1.934	- / -	- / 1.934	- / -	- / -	- / 0.407	- / 2.901	- / 3.376	- / 20.292	
Non-Recurring													
1.2.1) Installation Kits N/R - NonOrganic ⁽⁷⁾	- / 6.413	- / -	- / -	- / -	- / -	- / -	- / 2.580	- / 1.682	- / 5.672	- / 1.200	- / -	- / 17.547	
Subtotal: Non-Recurring	- / 6.413	- / -	- / -	- / -	- / -	- / -	- / 2.580	- / 1.682	- / 5.672	- / 1.200	- / -	- / 17.547	
Subtotal: Service Life Extension Program (SLEP) (OSIP 003-07)	9 / 13.382	3 / 2.805	2 / 1.900	2 / 1.934	- / -	2 / 1.934	- / 2.580	- / 1.682	1 / 6.079	7 / 4.101	8 / 3.376	32 / 37.839	
Subtotal: Procurement, All Modification Items	- / 13.382	- / 2.805	- / 1.900	- / 1.934	- / -	- / 1.934	- / 2.580	- / 1.682	- / 6.079	- / 4.101	- / 3.376	- / 37.839	
Support (All Modification Items)													
3.1) IATS ⁽⁸⁾	- / -	- / -	- / -	- / 3.364	- / -	- / 3.364	- / -	- / -	- / -	- / -	- / -	- / 3.364	
3.2) Engineering Change Order	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Data	- / 0.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.260	- / -	- / 0.323	
3.4) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.486	- / -	1 / 1.486	
3.5) Support Equipment	- / 0.794	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.794	
3.6) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / -	- / 0.200	
3.7) Other Support ⁽⁹⁾	- / 10.136	- / 1.736	- / 1.767	- / 1.798	- / -	- / 1.798	- / 1.833	- / 1.869	- / 1.906	- / 1.941	- / 4.421	- / 27.407	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 10.993	- / 1.736	- / 1.767	- / 5.162	- / -	- / 5.162	- / 1.833	- / 1.869	- / 1.906	- / 3.887	- / 4.421	- / 33.574	
Installation													
Modification Item 1 of 1: Service Life Extension Program (SLEP) (OSIP 003-07)	- / 48.052	- / 17.538	- / 10.102	- / 10.486	- / -	- / 10.486	- / -	- / -	- / -	- / 1.127	- / 18.767	- / 106.072	
Subtotal: Installation	- / 48.052	- / 17.538	- / 10.102	- / 10.486	- / -	- / 10.486	- / -	- / -	- / -	- / 1.127	- / 18.767	- / 106.072	
Total													
Total Cost (Procurement + Support + Installation)	72.427	22.079	13.769	17.582	-	17.582	4.413	3.551	7.985	9.115	26.564	177.485	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 3 / Service Life Extension Program (SLEP) (OSIP 003-07)

Modification Item 1 of 1: Service Life Extension Program (SLEP) (OSIP 003-07)

Manufacturer Information

Manufacturer Name: SLEP/ALC Tinker	Manufacturer Location: Tinker Air Force Base OK
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 0

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013	Nov 2014	Nov 2015				
Delivery Dates	Nov 2013	Nov 2014	Nov 2015				

Manufacturer Name: CSFIR Phase 2/TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates						Dec 2018	Dec 2019
Delivery Dates						Dec 2019	Dec 2020

Installation Information

Method of Implementation: Drive In:: Installation Name: SLEP Phase One Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	9 / 48.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 48.052
FY 2014	- / -	3 / 17.538	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 17.538
FY 2015	- / -	- / -	2 / 10.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 10.102
FY 2016	- / -	- / -	- / -	2 / 10.486	- / -	2 / 10.486	- / -	- / -	- / -	- / -	- / -	2 / 10.486
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	9 / 48.052	3 / 17.538	2 / 10.102	2 / 10.486	- / -	2 / 10.486	- / -	- / -	- / -	- / -	- / -	16 / 86.178

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	9	1	1	1	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	9	-	-	-	1	1	1	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 3 / Service Life Extension Program (SLEP) (OSIP 003-07)

Modification Item 1 of 1: Service Life Extension Program (SLEP) (OSIP 003-07)

Installation Information

Method of Implementation: Drive In:: Installation Name: CSFIR Phase Two Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.127	- / -	1 / 1.127
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 8.035	7 / 8.035
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 9.348	8 / 9.348
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.127	15 / 17.383	16 / 18.510

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	15	16	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	15	16	

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / 1.384	1 / 1.384
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	- / 1.384	1 / 1.384

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 3 / Service Life Extension Program (SLEP) (OSIP 003-07)

Modification Item 1 of 1: Service Life Extension Program (SLEP) (OSIP 003-07)

Installation Information

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1

Footnotes:

⁽⁷⁾ Installation Kits N/R cost in FY18 and FY19 is to support the start of the CSFIR Phase 2 effort.

⁽⁸⁾ IATS Software upgrades are required for aircraft to reach 45,000 flight hours. Must have completed SLEP and have a current tracking sytem.

⁽⁹⁾ Other Support cost in FY17 is to support the Installation N/R CSFIRS Phase 2 contract award in FY17. Other Support cost in FY19 is to support the production phase of the CSFIRS Phase 2 effort.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series						Modification Number / Title: 4 / Communications Upgrade (OSIP 012-07)		

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>	177.217	18.828	21.410	15.231	-	15.231	17.311	9.122	-	-	-	259.119
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	177.217	18.828	21.410	15.231	-	15.231	17.311	9.122	-	-	-	259.119
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	177.217	18.828	21.410	15.231	-	15.231	17.311	9.122	-	-	-	259.119
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:
 DESCRIPTION/JUSTIFICATION: Communications Upgrade installs expanded aircraft communication bandwidth capability required to improve Airborne Command Post (ABNCP) operations. Internet Protocol (IP) connectivity and wideband communication capability to enable voice, video and data services is mission critical to command and control operations. Modifications include: IP Phase 1, International Marine/ Maritime Satellite (INMARSAT); IP Phase 3, removal of Utility Trailing Wire Antenna (UTWA).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: IP Phase 1 INMARSAT NRE FY07-FY09 with NRE kit installation in FY09. Phase 1 production kit buys in FY10-FY17 with installs FY11-FY18. IP Phase 3 UTWA removal NRE FY07-FY08 with NRE kit install in FY09. Phase 3 aircraft production kit buys in FY10-FY17 with installs in FY11-FY18. IP Phases 1 and 3 installations will be completed concurrently with the Block I production program in FY12 through FY18.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 4 / Communications Upgrade (OSIP 012-07)					
Models of Systems Affected: E-6 Series				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Communications Upgrade (OSIP 012-07)													
A Kits													
Recurring													
1.1.1) Phase One Kit - NonOrganic ⁽¹⁰⁾	8 / 3.191	2 / 0.910	3 / 1.392	1 / 0.474	- / -	1 / 0.474	2 / 0.966	- / -	- / -	- / -	- / -	16 / 6.933	
1.1.2) Phase Three Kit - NonOrganic ⁽¹¹⁾	8 / 4.189	2 / 1.316	3 / 2.013	1 / 0.684	- / -	1 / 0.684	2 / 1.396	- / -	- / -	- / -	- / -	16 / 9.598	
1.1.3) Archived ECPs - Organic	19 / 8.082	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 8.082	
Subtotal: Recurring	- / 15.462	- / 2.226	- / 3.405	- / 1.158	- / -	- / 1.158	- / 2.362	- / -	- / -	- / -	- / -	- / 24.613	
Non-Recurring													
1.2.1) Installation Kit N/R - NonOrganic	- / 53.769	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 53.769	
Subtotal: Non-Recurring	- / 53.769	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 53.769	
B Kits													
Recurring													
2.1.1) Phase One Equipment - Organic ⁽¹²⁾	8 / 4.307	2 / 1.366	3 / 2.091	1 / 0.710	- / -	1 / 0.710	2 / 1.450	- / -	- / -	- / -	- / -	16 / 9.924	
2.1.2) Phase Three Equipment - Organic ⁽¹³⁾	8 / 5.414	2 / 1.972	3 / 3.018	1 / 1.027	- / -	1 / 1.027	2 / 2.094	- / -	- / -	- / -	- / -	16 / 13.525	
2.1.3) Archived ECPs - Organic	19 / 3.667	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 3.667	
Subtotal: Recurring	- / 13.388	- / 3.338	- / 5.109	- / 1.737	- / -	- / 1.737	- / 3.544	- / -	- / -	- / -	- / -	- / 27.116	
Subtotal: Communications Upgrade (OSIP 012-07)	70 / 82.619	8 / 5.564	12 / 8.514	4 / 2.895	- / -	4 / 2.895	8 / 5.906	- / -	- / -	- / -	- / -	102 / 105.498	
Subtotal: Procurement, All Modification Items	- / 82.619	- / 5.564	- / 8.514	- / 2.895	- / -	- / 2.895	- / 5.906	- / -	- / -	- / -	- / -	- / 105.498	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 2.848	- / -	- / 0.139	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.987	
3.3) Training Equipment	14 / 7.662	2 / 1.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 8.828	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 3.169	- / -	- / 1.158	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.327	
3.6) Other Support	- / 43.811	- / 3.434	- / 3.495	- / 3.508	- / -	- / 3.508	- / 2.415	- / -	- / -	- / -	- / -	- / 56.663	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 57.490	- / 4.600	- / 4.792	- / 3.508	- / -	- / 3.508	- / 2.415	- / -	- / -	- / -	- / -	- / 72.805	
Installation													
Modification Item 1 of 1: Communications Upgrade (OSIP 012-07)	- / 37.108	- / 8.664	- / 8.104	- / 8.828	- / -	- / 8.828	- / 8.990	- / 9.122	- / -	- / -	- / -	- / 80.816	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0564 / E-6 Series						Modification Number / Title: 4 / Communications Upgrade (OSIP 012-07)			
Models of Systems Affected: E-6 Series			Modification Type:					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
	Subtotal: Installation	- / 37.108	- / 8.664	- / 8.104	- / 8.828	- / -	- / 8.828	- / 8.990	- / 9.122	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	177.217	18.828	21.410	15.231	-	15.231	17.311	9.122	-	-	-	259.119

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 4 / Communications Upgrade (OSIP 012-07)

Modification Item 1 of 1: Communications Upgrade (OSIP 012-07)

Manufacturer Information

Manufacturer Name: Phase 1/Boeing				Manufacturer Location: Oklahoma City OK			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016			
Delivery Dates	Nov 2014	Nov 2015	Nov 2016	Nov 2017			

Manufacturer Name: Phase 3/Rockwell Collins				Manufacturer Location: Cedar Rapids IA			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016			
Delivery Dates	Nov 2014	Nov 2015	Nov 2016	Nov 2017			

Manufacturer Name: Training Equipment / Multiple				Manufacturer Location: Multiple Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013						
Delivery Dates	Apr 2014						

Installation Information

Method of Implementation: Contractor Drive In:: Installation Name: Phase One & Three

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	12 / 34.378	4 / 7.712	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 42.090
FY 2014	- / -	- / -	4 / 8.104	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 8.104
FY 2015	- / -	- / -	- / -	4 / 8.828	- / -	4 / 8.828	2 / 4.495	- / -	- / -	- / -	- / -	6 / 13.323
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.495	- / -	- / -	- / -	- / -	2 / 4.495
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 9.122	- / -	- / -	- / -	4 / 9.122
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	12 / 34.378	4 / 7.712	4 / 8.104	4 / 8.828	- / -	4 / 8.828	4 / 8.990	4 / 9.122	- / -	- / -	- / -	32 / 77.134

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 4 / Communications Upgrade (OSIP 012-07)									

Modification Item 1 of 1: Communications Upgrade (OSIP 012-07)

Installation Information

Method of Implementation: Contractor Drive In:: Installation Name: Phase One & Three

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	12	2	2	-	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	-	-	-	-	-	-	-	-	-	32
Out	12	-	2	-	2	-	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	-	-	-	-	-	-	-	32

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	12 / 2.730	2 / 0.669	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 3.399
FY 2014	- / -	2 / 0.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.283
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	12 / 2.730	4 / 0.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 3.682

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	12	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
Out	12	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		

Method of Implementation (Organic): Organic - Archived ECPs

Installation Quantity: 19

Method of Implementation (Organic): Organic - Phase One Equipment

Installation Quantity: 16

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 4 / Communications Upgrade (OSIP 012-07)
Modification Item 1 of 1: Communications Upgrade (OSIP 012-07)		
Installation Information		
Method of Implementation (Organic): Organic - Phase Three Equipment		Installation Quantity: 16
Method of Implementation (Organic): Organic - Archived ECPs		Installation Quantity: 19
Footnotes: ⁽¹⁰⁾ Phase One A Kit unit cost in FY14-FY17 is based on negotiated contract pricing. ⁽¹¹⁾ Phase Three A Kit unit cost in FY14-FY17 is based on negotiated contract pricing. ⁽¹²⁾ Phase One Equipment unit cost in FY14-FY17 is based on negotiated contract pricing. ⁽¹³⁾ Phase Three Equipment unit cost in FY14-FY17 is based on negotiated contract pricing.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 5 / Block I (OSIP 008-10)			
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>	250.002	65.014	81.251	47.535	-	47.535	54.834	24.526	-	-	-	523.162
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	250.002	65.014	81.251	47.535	-	47.535	54.834	24.526	-	-	-	523.162
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	250.002	65.014	81.251	47.535	-	47.535	54.834	24.526	-	-	-	523.162
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION: Block I corrects Airborne Command Post (ABNCP) operational test deficiencies to improve mission capability, readiness and legacy system obsolescence. Modifications include, but not limited to: Block I; Very Low Frequency (VLF) Transmit Terminal (VTT); Technology Upgrade. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Block I Systems Integration Lab (SIL) & aircraft (A/C) development kit installed in SIL FY06 and in A/C FY08; Milestone-C 3Q FY10; Low-Rate Initial Production (LRIP) contract award 3Q FY10; LRIP 1 kit buy in FY10 and 3 kit buys in FY11 with installs in FY11 and FY12 (4 A/C); Full-Rate Production (FRP) Decision Review achieved 2Q FY12. FRP kit buys FY12-FY17 (11 A/C) with installs in FY13-FY18. VTT Prototype SIL and A/C development kit delivery in FY11 with installation in FY12. SIL and A/C testing 2Q FY12 to 1Q FY13. VTT Production kit buys in FY13-FY17 with installs in FY13-FY18 (15 A/C). Technology Upgrade NRE in FY15 with NRE kit buy in FY15 and installation in FY15; production kit buys in FY15-FY18 with installs in FY15-FY18.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 5 / Block I (OSIP 008-10)					
Models of Systems Affected: E-6 Series				Modification Type:				Related RDT&E PEs: 0101402N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Block I (OSIP 008-10)													
A Kits													
Recurring													
1.1.1) BLOCK ONE Kit - NonOrganic ⁽¹⁴⁾	7 / 26.215	2 / 7.700	3 / 11.637	1 / 4.008	- / -	1 / 4.008	2 / 8.214	- / -	- / -	- / -	- / -	15 / 57.774	
1.1.2) TECH UPGRADE - NonOrganic	- / -	- / -	3 / 0.744	5 / 1.262	- / -	5 / 1.262	4 / 1.028	4 / 1.048	- / -	- / -	- / -	16 / 4.082	
Subtotal: Recurring	- / 26.215	- / 7.700	- / 12.381	- / 5.270	- / -	- / 5.270	- / 9.242	- / 1.048	- / -	- / -	- / -	- / 61.856	
Non-Recurring													
1.2.1) Installation Kits N/R - NonOrganic	- / 34.068	- / 2.035	- / 9.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 45.325	
Subtotal: Non-Recurring	- / 34.068	- / 2.035	- / 9.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 45.325	
B Kits													
Recurring													
2.1.1) BLOCK ONE Equipment - Organic ⁽¹⁵⁾	7 / 48.685	2 / 13.715	3 / 21.612	1 / 7.443	- / -	1 / 7.443	2 / 15.254	- / -	- / -	- / -	- / -	15 / 106.709	
2.1.2) TECH UPGRADE - Organic	- / -	- / -	3 / 1.275	7 / 2.975	- / -	7 / 2.975	4 / 1.710	2 / 0.868	- / -	- / -	- / -	16 / 6.828	
2.1.3) VTT - NonOrganic ⁽¹⁶⁾	7 / 2.641	2 / 0.771	3 / 1.189	2 / 0.812	- / -	2 / 0.812	1 / 0.416	- / -	- / -	- / -	- / -	15 / 5.829	
Subtotal: Recurring	- / 51.326	- / 14.486	- / 24.076	- / 11.230	- / -	- / 11.230	- / 17.380	- / 0.868	- / -	- / -	- / -	- / 119.366	
Subtotal: Block I (OSIP 008-10)	21 / 111.609	6 / 24.221	15 / 45.679	16 / 16.500	- / -	16 / 16.500	13 / 26.622	6 / 1.916	- / -	- / -	- / -	77 / 226.547	
Subtotal: Procurement, All Modification Items	- / 111.609	- / 24.221	- / 45.679	- / 16.500	- / -	- / 16.500	- / 26.622	- / 1.916	- / -	- / -	- / -	- / 226.547	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / -	- / 0.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.875	
3.2) Data ⁽¹⁷⁾	- / 6.950	- / 4.237	- / 4.153	- / 3.806	- / -	- / 3.806	- / 3.300	- / 2.414	- / -	- / -	- / -	- / 24.860	
3.3) Training Equipment	5 / 31.998	3 / 9.931	1 / 2.440	2 / 0.865	- / -	2 / 0.865	1 / 0.875	- / 0.132	- / -	- / -	- / -	12 / 46.241	
3.4) Support Equipment	1 / 26.094	- / -	- / -	3 / 1.997	- / -	3 / 1.997	- / -	- / -	- / -	- / -	- / -	4 / 28.091	
3.5) ILS ⁽¹⁸⁾	- / 2.313	- / 0.422	- / 0.439	- / 0.456	- / -	- / 0.456	- / 0.471	- / -	- / -	- / -	- / -	- / 4.101	
3.6) Other Support	- / 29.317	- / 8.429	- / 8.580	- / 8.341	- / -	- / 8.341	- / 7.567	- / 1.933	- / -	- / -	- / -	- / 64.167	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 96.672	- / 23.019	- / 16.487	- / 15.465	- / -	- / 15.465	- / 12.213	- / 4.479	- / -	- / -	- / -	- / 168.335	
Installation													
Modification Item 1 of 1: Block I (OSIP 008-10)	- / 41.721	- / 17.774	- / 19.085	- / 15.570	- / -	- / 15.570	- / 15.999	- / 18.131	- / -	- / -	- / -	- / 128.280	
Subtotal: Installation	- / 41.721	- / 17.774	- / 19.085	- / 15.570	- / -	- / 15.570	- / 15.999	- / 18.131	- / -	- / -	- / -	- / 128.280	
Total													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 5 / Block I (OSIP 008-10)				
Models of Systems Affected: E-6 Series				Modification Type:				Related RDT&E PEs: 0101402N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Total Cost (Procurement + Support + Installation)	250.002	65.014	81.251	47.535	-	47.535	54.834	24.526	-	-	-	523.162	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 5 / Block I (OSIP 008-10)				
Modification Item 1 of 1: Block I (OSIP 008-10)												
Manufacturer Information												
Manufacturer Name: Block 1/Rockwell Collins							Manufacturer Location: Cedar Rapids IA					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 12					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016								
Delivery Dates	Nov 2014	Nov 2015	Nov 2016	Nov 2017								
Manufacturer Name: Tech Upgrade/Rockwell Collins							Manufacturer Location: Cedar Rapids IA					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 2					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates		Nov 2014	Oct 2015	Oct 2016	Nov 2017							
Delivery Dates		Jan 2015	Dec 2015	Dec 2016	Dec 2017							
Manufacturer Name: VTT/Rockwell Collins							Manufacturer Location: Cedar Rapids IA					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 9					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Nov 2013	Nov 2014	Jan 2016									
Delivery Dates	Aug 2014	Aug 2015	Oct 2016									
Installation Information												
Method of Implementation: Contractor Drive In:: Installation Name: BLOCK ONE Kit												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	5 / 38.225	2 / 14.310	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 52.535
FY 2014	- / -	- / -	2 / 12.774	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 12.774
FY 2015	- / -	- / -	- / -	2 / 12.824	- / -	2 / 12.824	1 / 6.477	- / -	- / -	- / -	- / -	3 / 19.301
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.477	- / -	- / -	- / -	- / -	1 / 6.477
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 15.778	- / -	- / -	- / -	2 / 15.778
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 38.225	2 / 14.310	2 / 12.774	2 / 12.824	- / -	2 / 12.824	2 / 12.954	2 / 15.778	- / -	- / -	- / -	15 / 106.865

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 5 / Block I (OSIP 008-10)									

Modification Item 1 of 1: Block I (OSIP 008-10)

Installation Information

Method of Implementation: Contractor Drive In:: Installation Name: BLOCK ONE Kit

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	5	1	1	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	15
Out	5	-	1	-	1	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	15

Method of Implementation: Contractor Drive In:: Installation Name: TECH UPGRADE

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	3 / 1.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.117
FY 2016	- / -	- / -	- / -	5 / 1.893	- / -	5 / 1.893	- / -	- / -	- / -	- / -	- / -	5 / 1.893
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.542	- / -	- / -	- / -	- / -	4 / 1.542
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.570	- / -	- / -	- / -	4 / 1.570
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	3 / 1.117	5 / 1.893	- / -	5 / 1.893	4 / 1.542	4 / 1.570	- / -	- / -	- / -	16 / 6.122

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	1	1	1	2	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	16	
Out	-	-	-	-	-	-	-	1	1	2	2	1	1	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	16	

Method of Implementation: Drive In:: Installation Name: VTT

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 0.396	6 / 2.435	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.831
FY 2014	- / -	- / -	2 / 0.833	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.833

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 5 / Block I (OSIP 008-10)			

Modification Item 1 of 1: Block I (OSIP 008-10)

Installation Information

Method of Implementation: Drive In:: Installation Name: VTT

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	1 / 0.416	2 / 0.853	- / -	2 / 0.853	- / -	- / -	- / -	- / -	- / -	3 / 1.269
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.874	- / -	- / -	- / -	- / -	2 / 0.874
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.448	- / -	- / -	- / -	1 / 0.448
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.396	6 / 2.435	3 / 1.249	2 / 0.853	- / -	2 / 0.853	2 / 0.874	1 / 0.448	- / -	- / -	- / -	15 / 6.255

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	2	2	2	1	-	1	1	-	1	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	1	-	-	-	-	2	2	3	1	1	-	1	-	1	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	15

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	5 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.100
FY 2014	- / -	1 / 1.029	2 / 3.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.529
FY 2015	- / -	- / -	1 / 0.445	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.445
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.629	- / -	- / -	- / -	- / -	2 / 0.629
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.335	- / -	- / -	- / -	1 / 0.335
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 3.100	1 / 1.029	3 / 3.945	- / -	- / -	- / -	2 / 0.629	1 / 0.335	- / -	- / -	- / -	12 / 9.038

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Exhibit P-3a, Individual Modification: PB 2016 Navy																								Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1												P-1 Line Item Number / Title: 0564 / E-6 Series												Modification Number / Title: 5 / Block I (OSIP 008-10)							
Modification Item 1 of 1: Block I (OSIP 008-10)																															
Installation Information																															
Method of Implementation: Drive In:: Installation Name: Training Equipment																															
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	5	-	-	1	-	1	-	2	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	5	-	-	-	1	-	1	-	2	-	-	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	12
Footnotes: ⁽¹⁴⁾ Block I A Kit unit cost in FY14 and FY17 is based on negotiated contract pricing. ⁽¹⁵⁾ Block I Equipment unit cost in FY15-FY17 is based on negotiated contract pricing. ⁽¹⁶⁾ VTT B Kit unit cost in FY14-FY17 is based on negotiated contract pricing. ⁽¹⁷⁾ Data cost in FY17-FY18 is based on negotiated contract pricing. ⁽¹⁸⁾ ILS support cost in FY15-FY17 is based on negotiated contract pricing.																															

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)

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>	54.981	23.778	33.579	48.568	-	48.568	54.170	40.765	15.568	-	-	271.409
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	54.981	23.778	33.579	48.568	-	48.568	54.170	40.765	15.568	-	-	271.409
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	54.981	23.778	33.579	48.568	-	48.568	54.170	40.765	15.568	-	-	271.409
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: Multi-Role Tactical Common Data Link (MR-TCDL) installs expanded aircraft communication bandwidth capability required to interoperate with United States Strategic Command's National Command and Control Architecture. Modification includes: MR-TCDL.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MR-TCDL contract award FY12; Non-Recurring Engineering (NRE) in FY12-FY13 with NRE aircraft kit buy in FY13, NRE kit installation in FY14 and test in FY15. Production kit buys in FY15-FY18, with installs FY16-FY19.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)					
Models of Systems Affected: E-6 Series				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)													
A Kits													
Recurring													
1.1.1) MR-TCDL Kit - NonOrganic	1 / 1.583	- / -	1 / 1.640	3 / 5.009	- / -	3 / 5.009	6 / 10.197	5 / 8.648	- / -	- / -	- / -	16 / 27.077	
Subtotal: Recurring	- / 1.583	- / -	- / 1.640	- / 5.009	- / -	- / 5.009	- / 10.197	- / 8.648	- / -	- / -	- / -	- / 27.077	
Non-Recurring													
1.2.1) Installation Kit N/R - NonOrganic	- / 21.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.564	
Subtotal: Non-Recurring	- / 21.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.564	
B Kits													
Recurring													
2.1.1) MR-TCDL Equipment - Organic	1 / 4.431	- / -	1 / 4.591	5 / 23.373	- / -	5 / 23.373	6 / 28.552	3 / 14.528	- / -	- / -	- / -	16 / 75.475	
2.1.2) GFE - Organic	- / 2.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.491	
2.1.3) Lab Equipment - NonOrganic	1 / 3.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.369	
Subtotal: Recurring	- / 10.291	- / -	- / 4.591	- / 23.373	- / -	- / 23.373	- / 28.552	- / 14.528	- / -	- / -	- / -	- / 81.335	
Subtotal: Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)	3 / 33.438	- / -	2 / 6.231	8 / 28.382	- / -	8 / 28.382	12 / 38.749	8 / 23.176	- / -	- / -	- / -	33 / 129.976	
Subtotal: Procurement, All Modification Items	- / 33.438	- / -	- / 6.231	- / 28.382	- / -	- / 28.382	- / 38.749	- / 23.176	- / -	- / -	- / -	- / 129.976	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data ⁽¹⁹⁾	- / 1.300	- / 3.000	- / 5.543	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 11.843	
3.3) Training Equipment	- / -	- / 5.463	1 / 4.667	2 / 6.977	- / -	2 / 6.977	- / -	- / -	- / -	- / -	- / -	3 / 17.107	
3.4) Support Equipment	- / -	- / 4.542	4 / 4.532	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 9.074	
3.5) ILS ⁽²⁰⁾	- / 1.087	- / 3.020	- / 4.806	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.913	
3.6) Other Support ⁽²¹⁾	- / 16.948	- / 7.753	- / 7.800	- / 6.606	- / -	- / 6.606	- / 3.678	- / 3.751	- / 3.826	- / -	- / -	- / 50.362	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 19.335	- / 23.778	- / 27.348	- / 15.583	- / -	- / 15.583	- / 3.678	- / 3.751	- / 3.826	- / -	- / -	- / 97.299	
Installation													
Modification Item 1 of 1: Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)	- / 2.208	- / -	- / -	- / 4.603	- / -	- / 4.603	- / 11.743	- / 13.838	- / 11.742	- / -	- / -	- / 44.134	
Subtotal: Installation	- / 2.208	- / -	- / -	- / 4.603	- / -	- / 4.603	- / 11.743	- / 13.838	- / 11.742	- / -	- / -	- / 44.134	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)				
Models of Systems Affected: E-6 Series				Modification Type:					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Total													
Total Cost (Procurement + Support + Installation)	54.981	23.778	33.579	48.568	-	48.568	54.170	40.765	15.568	-	-	271.409	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)

Modification Item 1 of 1: Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)

Manufacturer Information

Manufacturer Name: MR-TCDL LAB /Northrop Grumman	Manufacturer Location: San Diego, CA
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Manufacturer Name: MR-TCDL NRE Kit / Northrop Grumman Systems Corp	Manufacturer Location: San Diego, CA
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Manufacturer Name: MR-TCDL Production Kit / TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 20

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jan 2015	Nov 2015	Nov 2016	Nov 2017		
Delivery Dates		Aug 2016	Apr 2017	Apr 2018	Apr 2019		

Installation Information

Method of Implementation: Drive In:: Installation Name: MR-TCDL Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	1 / 2.226	- / -	1 / 2.226	- / -	- / -	- / -	- / -	- / -	1 / 2.226
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.869	- / -	- / -	- / -	- / -	3 / 6.869
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 13.838	- / -	- / -	- / -	6 / 13.838
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 11.742	- / -	- / -	5 / 11.742
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / -	- / -	1 / 2.226	- / -	1 / 2.226	3 / 6.869	6 / 13.838	5 / 11.742	- / -	- / -	16 / 34.675

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)									

Modification Item 1 of 1: Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)

Installation Information

Method of Implementation: Drive In:: Installation Name: MR-TCDL Kit

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	1	1	1	1	2	2	2	2	1	-	-	-	-	-	-	16
Out	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	1	1	1	1	1	2	2	2	2	1	-	-	-	-	-	16

Method of Implementation: Drive In:: Installation Name: Lab Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 2.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.208
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 2.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.208

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 6 / Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)

Modification Item 1 of 1: Multi-Role Tactical Common Data Link (MR-TCDL) (OSIP 013-10)

Installation Information

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	1 / 2.377	- / -	1 / 2.377	- / -	- / -	- / -	- / -	- / -	1 / 2.377
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.874	- / -	- / -	- / -	- / -	2 / 4.874
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 2.377	- / -	1 / 2.377	2 / 4.874	- / -	- / -	- / -	- / -	3 / 7.251

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3

Method of Implementation (Organic): Organic - MR-TCDL Equipment

Installation Quantity: 16

Footnotes:

⁽¹⁹⁾ Data cost in FY15 is for Data management of MR-TCDL effort to support a installation contract award in FY16.

⁽²⁰⁾ ILS cost in FY14 and FY15 is to support the ILS systems integration of the MR-TCDL program.

⁽²¹⁾ Other Support cost in FY19 is required to manage the remaining installs.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 7 / Auxiliary Power Unit (APU) (OSIP 002-12)			

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)	5.129	10.322	7.969	20.567	-	20.567	27.801	24.509	14.442	-	-	110.739
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	5.129	10.322	7.969	20.567	-	20.567	27.801	24.509	14.442	-	-	110.739
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5.129	10.322	7.969	20.567	-	20.567	27.801	24.509	14.442	-	-	110.739
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: Auxiliary Power Unit (APU) corrects Airborne Command Post (ABNCP) Follow-On Operational Test (FOT&E) deficiencies by installing an improved APU to meet increased aircraft power requirements. Modifications includes, but not limited to: APU.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Development FY09-FY13. Prototype aircraft development kit delivered FY11 with installation in FY13. APU production kit buys FY14-FY18 with installs in FY16-FY19 (15 A/C).

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 7 / Auxiliary Power Unit (APU) (OSIP 002-12)				
Models of Systems Affected: E-6 Series				Modification Type:				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Auxiliary Power Unit (APU) (OSIP 002-12)												
A Kits												
Recurring												
1.1.1) APU Kit - NonOrganic	- / -	- / -	2 / 3.112	5 / 7.920	- / -	5 / 7.920	6 / 9.672	2 / 3.282	- / -	- / -	- / -	15 / 23.986
Subtotal: Recurring	- / 0.000	- / -	- / 3.112	- / 7.920	- / -	- / 7.920	- / 9.672	- / 3.282	- / -	- / -	- / -	- / 23.986
Non-Recurring												
1.2.1) Installation Kits N/R - NonOrganic ⁽²²⁾	- / 2.003	- / 4.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.084
Subtotal: Non-Recurring	- / 2.003	- / 4.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.084
B Kits												
Recurring												
2.1.1) APU Equipment - Organic ⁽²³⁾	1 / 0.769	2 / 1.543	2 / 1.570	5 / 3.995	- / -	5 / 3.995	5 / 4.065	- / -	- / -	- / -	- / -	15 / 11.942
Subtotal: Recurring	- / 0.769	- / 1.543	- / 1.570	- / 3.995	- / -	- / 3.995	- / 4.065	- / -	- / -	- / -	- / -	- / 11.942
Subtotal: Auxiliary Power Unit (APU) (OSIP 002-12)	1 / 2.772	2 / 5.624	4 / 4.682	10 / 11.915	- / -	10 / 11.915	11 / 13.737	2 / 3.282	- / -	- / -	- / -	30 / 42.012
Subtotal: Procurement, All Modification Items	- / 2.772	- / 5.624	- / 4.682	- / 11.915	- / -	- / 11.915	- / 13.737	- / 3.282	- / -	- / -	- / -	- / 42.012
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / -	1 / 2.324	3 / 0.871	- / -	- / -	- / -	1 / 0.206	- / -	- / -	- / -	- / -	5 / 3.401
3.4) Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.687	- / -	- / -	- / -	- / 1.687
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / 2.357	- / 2.374	- / 2.416	- / 2.225	- / -	- / 2.225	- / 2.269	- / 2.314	- / 2.360	- / -	- / -	- / 16.315
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 2.357	- / 4.698	- / 3.287	- / 2.225	- / -	- / 2.225	- / 2.475	- / 4.001	- / 2.360	- / -	- / -	- / 21.403
Installation												
Modification Item 1 of 1: Auxiliary Power Unit (APU) (OSIP 002-12)	- / 0.000	- / -	- / -	- / 6.427	- / -	- / 6.427	- / 11.589	- / 17.226	- / 12.082	- / -	- / -	- / 47.324
Subtotal: Installation	- / 0.000	- / -	- / -	- / 6.427	- / -	- / 6.427	- / 11.589	- / 17.226	- / 12.082	- / -	- / -	- / 47.324
Total												
Total Cost (Procurement + Support + Installation)	5.129	10.322	7.969	20.567	-	20.567	27.801	24.509	14.442	-	-	110.739

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0564 / E-6 Series										Modification Number / Title: 7 / Auxiliary Power Unit (APU) (OSIP 002-12)											
Modification Item 1 of 1: Auxiliary Power Unit (APU) (OSIP 002-12)																															
Manufacturer Information																															
Manufacturer Name: APU A Kit/TBD															Manufacturer Location: TBD																
Administrative Leadtime (in Months): 8															Production Leadtime (in Months): 12																
Dates		FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019			FY 2020											
Contract Dates					May 2015			Mar 2016			Mar 2017			Mar 2018																	
Delivery Dates					May 2016			Mar 2017			Mar 2018			Mar 2019																	
Manufacturer Name: APU Training Equipment/Hamilton-Sunstrand															Manufacturer Location: San Diego, CA																
Administrative Leadtime (in Months): 9															Production Leadtime (in Months): 17																
Dates		FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019			FY 2020											
Contract Dates		Jun 2014			Jan 2015						Jan 2017																				
Delivery Dates		Nov 2015			Nov 2015						Jun 2017																				
Installation Information																															
Method of Implementation: Drive In:: Installation Name: APU Kit																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	1 / 2.772	- / -	1 / 2.772	1 / 2.821	- / -	- / -	- / -	- / -	2 / 5.593																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	3 / 8.463	2 / 5.742	- / -	- / -	- / -	5 / 14.205																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 11.484	2 / 5.844	- / -	- / -	6 / 17.328																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.238	- / -	- / -	2 / 6.238																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	1 / 2.772	- / -	1 / 2.772	4 / 11.284	6 / 17.226	4 / 12.082	- / -	- / -	15 / 43.364																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	1	2	1	1	2	2	1	1	-	-	-	-	-	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	1	2	1	2	2	1	1	1	-	-	-	-	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 7 / Auxiliary Power Unit (APU) (OSIP 002-12)

Modification Item 1 of 1: Auxiliary Power Unit (APU) (OSIP 002-12)

Installation Information

Method of Implementation: Drive In:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 3.005	- / -	1 / 3.005	- / -	- / -	- / -	- / -	- / -	1 / 3.005
FY 2015	- / -	- / -	- / -	3 / 0.650	- / -	3 / 0.650	- / -	- / -	- / -	- / -	- / -	3 / 0.650
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.305	- / -	- / -	- / -	- / -	1 / 0.305
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 3.655	- / -	4 / 3.655	1 / 0.305	- / -	- / -	- / -	- / -	5 / 3.960

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	2	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5

Method of Implementation (Organic): Organic - APU Equipment

Installation Quantity: 15

Footnotes:

(22) Installation Kits N/R cost in FY14 is to support the kit contract award.

(23) FY13 are being procured for Val/Ver and will later be installed. APU B kits have a production lead time 1 year longer than the associated A Kit.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/ PNVC)(OSIP 014-14)

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)	0.000	-	21.998	24.877	-	24.877	24.022	49.574	42.900	21.002	-	184.373
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	21.998	24.877	-	24.877	24.022	49.574	42.900	21.002	-	184.373
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	21.998	24.877	-	24.877	24.022	49.574	42.900	21.002	-	184.373
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: Family of Advanced Beyond-Line-of-Sight Terminals/Presidential and National Voice Conferencing (FAB-T/PNVC) replaces obsolete Military Strategic Tactical Relay terminals with improved FAB-T, and installs PNVC (includes Red Switch) to provide specialized secure voice capability over the strategic Advanced Extremely High Frequency satellite communications (SATCOM) system. This modification includes, but not limited to: FAB-T; PNVC .

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FAB-T lab kit buy in FY15 and install in FY16; PNVC lab kit buy and install in FY16. Non-Recurring Engineering (NRE) in FY15-FY16 with NRE kit buy in FY16 and NRE kit installation in FY17; production kit buys in FY17-FY19, with installs in FY18-FY20.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'I Voice Conf (FAB-T/ PNVC)(OSIP 014-14)				
Models of Systems Affected: E-6 Series				Modification Type:					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'I Voice Conf (FAB-T/PNVC)(OSIP 014-14)													
A Kits													
Recurring													
1.1.1) FAB-T - NonOrganic	- / -	- / -	- / -	1 / 1.244	- / -	1 / 1.244	3 / 3.798	6 / 7.733	6 / 7.872	- / -	- / -	16 / 20.647	
1.1.2) PNVC - Organic	- / -	- / -	- / -	1 / 1.482	- / -	1 / 1.482	3 / 4.526	6 / 9.215	6 / 9.381	- / -	- / -	16 / 24.604	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 2.726	- / -	- / 2.726	- / 8.324	- / 16.948	- / 17.253	- / -	- / -	- / 45.251	
Non-Recurring													
1.2.1) Install Kits N/R - Organic	- / -	- / -	- / 15.456	- / 9.076	- / -	- / 9.076	- / -	- / -	- / -	- / -	- / -	- / 24.532	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 15.456	- / 9.076	- / -	- / 9.076	- / -	- / -	- / -	- / -	- / -	- / 24.532	
B Kits													
Recurring													
2.1.1) FAB-T - Organic	- / -	- / -	- / -	1 / 0.311	- / -	1 / 0.311	3 / 0.933	12 / 3.866	- / -	- / -	- / -	16 / 5.110	
2.1.2) PNVC - NonOrganic	- / -	- / -	- / -	1 / 1.617	- / -	1 / 1.617	3 / 4.937	6 / 10.053	6 / 10.234	- / -	- / -	16 / 26.841	
2.1.3) Lab - FAB-T - NonOrganic	- / -	- / -	- / -	1 / 0.311	- / -	1 / 0.311	- / -	- / -	- / -	- / -	- / -	1 / 0.311	
2.1.4) Lab - PNVC - NonOrganic	- / -	- / -	1 / 0.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.358	
Subtotal: Recurring	- / 0.000	- / -	- / 0.358	- / 2.239	- / -	- / 2.239	- / 5.870	- / 13.919	- / 10.234	- / -	- / -	- / 32.620	
Subtotal: Family of Adv Beyond-LI-of-Sight Term/ Pres&Nat'I Voice Conf (FAB-T/PNVC)(OSIP 014-14)	- / -	- / -	1 / 15.814	5 / 14.041	- / -	5 / 14.041	12 / 14.194	30 / 30.867	18 / 27.487	- / -	- / -	66 / 102.403	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 15.814	- / 14.041	- / -	- / 14.041	- / 14.194	- / 30.867	- / 27.487	- / -	- / -	- / 102.403	
Support (All Modification Items)													
3.1) Engineering Change Order	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / -	- / -	- / 0.951	- / 0.968	- / -	- / 0.968	- / -	- / -	- / -	- / -	- / -	- / 1.919	
3.3) Training Equipment	- / -	- / -	- / -	1 / 3.050	- / -	1 / 3.050	- / -	1 / 8.293	- / -	1 / 7.367	- / -	3 / 18.710	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / -	- / -	- / 1.233	- / 1.255	- / -	- / 1.255	- / 1.278	- / -	- / -	- / -	- / -	- / 3.766	
3.6) Other Support ⁽²⁴⁾	- / -	- / -	- / 4.000	- / 4.249	- / -	- / 4.249	- / 5.513	- / 6.329	- / 5.483	- / 3.550	- / -	- / 29.124	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 6.184	- / 9.522	- / -	- / 9.522	- / 6.791	- / 14.622	- / 5.483	- / 10.917	- / -	- / 53.519	
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series						Modification Number / Title: 8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC)(OSIP 014-14)			
Models of Systems Affected: E-6 Series				Modification Type:						Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Modification Item 1 of 1: Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC)(OSIP 014-14)	- / 0.000	- / -	- / -	- / 1.314	- / -	- / 1.314	- / 3.037	- / 4.085	- / 9.930	- / 10.085	- / -	- / 28.451	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 1.314	- / -	- / 1.314	- / 3.037	- / 4.085	- / 9.930	- / 10.085	- / -	- / 28.451	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	21.998	24.877	-	24.877	24.022	49.574	42.900	21.002	-	184.373	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/ PNVC)(OSIP 014-14)

Modification Item 1 of 1: Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC)(OSIP 014-14)

Manufacturer Information

Manufacturer Name: FAB-T & PNVC Lab Kit/TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Nov 2014					
Delivery Dates		Nov 2015					

Manufacturer Name: FAB-T & PNVC PROD Kit/TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Nov 2015	Nov 2016	Nov 2017		Nov 2019
Delivery Dates			Nov 2016	Nov 2017	Nov 2018		Nov 2020

Manufacturer Name: FAB-T & PNVC Training Equipment/TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Nov 2016	Nov 2017		Nov 2019
Delivery Dates				Nov 2017	Jan 2018		Jan 2020

Installation Information

Method of Implementation: Drive-In Modification:: Installation Name: FAB-T

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.568	- / -	- / -	- / -	- / -	1 / 0.568
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.733	- / -	- / -	- / -	3 / 1.733
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.529	- / -	- / -	6 / 3.529
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.593	- / -	6 / 3.593
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.568	3 / 1.733	6 / 3.529	6 / 3.593	- / -	16 / 9.423

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC)(OSIP 014-14)

Modification Item 1 of 1: Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC)(OSIP 014-14)

Installation Information

Method of Implementation: Drive-In Modification:: Installation Name: FAB-T

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	2	2	2	-	2	2	2	-	-	16
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	2	2	2	-	2	2	2	-	16

Method of Implementation: Drive-In Modification:: Installation Name: PNVC

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.771	- / -	- / -	- / -	- / -	1 / 0.771
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.352	- / -	- / -	- / -	3 / 2.352
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 4.789	- / -	- / -	6 / 4.789
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 4.875	- / -	6 / 4.875
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.771	3 / 2.352	6 / 4.789	6 / 4.875	- / -	16 / 12.787

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	2	2	2	-	2	2	2	-	-	16
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	2	2	2	-	2	2	2	-	16

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/ PNVC)(OSIP 014-14)

Modification Item 1 of 1: Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC)(OSIP 014-14)

Installation Information

Method of Implementation: [none specified]:: Installation Name: Lab - FAB-T

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	1 / 0.558	- / -	1 / 0.558	- / -	- / -	- / -	- / -	- / -	1 / 0.558
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 0.558	- / -	1 / 0.558	- / -	- / -	- / -	- / -	- / -	1 / 0.558

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Method of Implementation: Drive-In Modification:: Installation Name: Lab - PNVC

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	1 / 0.756	- / -	1 / 0.756	- / -	- / -	- / -	- / -	- / -	1 / 0.756
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0564 / E-6 Series	Modification Number / Title: 8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/ PNVC)(OSIP 014-14)

Modification Item 1 of 1: Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC)(OSIP 014-14)

Installation Information

Method of Implementation: Drive-In Modification:: Installation Name: Lab - PNVC

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 0.756	- / -	1 / 0.756	- / -	- / -	- / -	- / -	- / -	1 / 0.756

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Method of Implementation: Drive-In Modification:: Installation Name: Training Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.698	- / -	- / -	- / -	- / -	1 / 1.698
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.612	- / -	- / -	1 / 1.612
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.617	- / -	1 / 1.617
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.698	- / -	1 / 1.612	1 / 1.617	- / -	3 / 4.927

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0564 / E-6 Series					Modification Number / Title: 8 / Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/ PNVC)(OSIP 014-14)									

Modification Item 1 of 1: Family of Adv Beyond-LI-of-Sight Term/Pres&Nat'l Voice Conf (FAB-T/PNVC)(OSIP 014-14)

Installation Information

Method of Implementation: Drive-In Modification:: Installation Name: Training Equipment

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	3
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	3

Method of Implementation (Organic): Organic - PNVC

Installation Quantity: 16

Method of Implementation (Organic): Organic - FAB-T

Installation Quantity: 16

Footnotes:

⁽²⁴⁾ Other Support cost in FY16 is to support non-recurring, production and installation. FY18 support includes specialized enterprise-wide flight follow-on test and evaluation support. FY20 support is to support remaining installs.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series						Modification Number / Title: 9 / Inactive OSIPS		
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>	14.301	-	-	-	-	-	-	-	-	-	-	14.301
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	14.301	-	-	-	-	-	-	-	-	-	-	14.301
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	14.301	-	-	-	-	-	-	-	-	-	-	14.301
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0564 / E-6 Series				Modification Number / Title: 9 / Inactive OSIPS				
Models of Systems Affected:			Modification Type:					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: N/A												
Subtotal: N/A												
Subtotal: Procurement, All Modification Items												
Support (All Modification Items)												
3.1) Engineering Change Orders												
3.2) Data												
3.3) Training Equipment												
3.4) Support Equipment												
3.5) ILS												
3.6) Other Support												
3.7) Interim Contractor Support												
Subtotal: Support												
Installation												
Subtotal: Installation												
Total												
Total Cost (Procurement + Support + Installation)												

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0564 / E-6 Series			Modification Number / Title: 9 / Inactive OSIPS	
Modification Item 1 of 1: N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation						Installation Quantity: 0	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0566 / Executive Helicopters Series					
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>	562.890	65.537	68.128	76.138	-	76.138	70.779	63.199	52.842	44.475	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	562.890	65.537	68.128	76.138	-	76.138	70.779	63.199	52.842	44.475	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	562.890	65.537	68.128	76.138	-	76.138	70.779	63.199	52.842	44.475	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
 Description: This line item funds modifications to the (11) VH-3D, (8) VH-60N, (1) UH-3D, and (1) UH-60N. These aircraft are assigned to Marine Helicopter Squadron One to support the President of the United States. The VH-60N Cockpit Upgrade consists of an upgrade to all-glass instrumentation. The Communication Suite Upgrade consists of demand assigned multiple access satellite communication radio upgrade, digital frequency modulation radio upgrade, high frequency radio upgrade, the Presidential redundant secure communications upgrade, data transfer capability upgrade, and Crypto modernization upgrade as well as the incorporation of the Wide Band Line Of Sight(WBLoS) capability. The Structural Enhancement Program replaces critical aircraft structure on the VH-60N, upgrades the safety of the fuel system on the VH-3D, and a Service Life Extension on the VH-3D and VH-60N. The Obsolescence Management Program will manage impending Executive Helicopter obsolescence issues. A variety of factors will be addressed including communication, navigation, operational weight, safety, and engine upgrades to remain mission relevant. An H-3 and H-60 will be converted to a UH-3D and UH-60N to reduce usage on the VH-3D and VH-60N. This reduction in utilization provides for better availability and enhanced sustainability. The VH-3D Cockpit Upgrade consists of upgrades to incorporate night vision compatibility and related cockpit lighting, GPS moving maps, and a satellite weather feed. The overall goal of the modifications budgeted in FY 2016 is to continue procurement efforts in accordance with the procurement strategy to maintain the VH-3D and VH-60N until the VH-92A Replacement Helicopter becomes fully operationally capable. The VH-92A Improvement Program provides for the management, preparation, and incorporation of Engineering Change Proposals (ECP) and the implementation of those changes to sustain and improve VH-92A operations.												

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series

ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / VH-60N COCKPIT UPGRADE (OSIP 009-02) (SAFETY)	P-3a		- / 157.502	- / 5.704	- / 5.213	- / 1.914	- / -	- / 1.914
2 / VH COMM UPGRADE (OSIP 014-02) (SAFETY)	P-3a		- / 86.354	- / 7.575	- / 1.698	- / 18.201	- / -	- / 18.201
3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08) (SAFETY)	P-3a		- / 16.723	- / 0.679	- / 8.802	- / 9.037	- / -	- / 9.037
4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09) (SAFETY)	P-3a		- / 41.676	- / 37.041	- / 37.903	- / 35.255	- / -	- / 35.255
5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11) (SAFETY)	P-3a		- / 36.747	- / 2.965	- / 10.026	- / -	- / -	- / -
6 / VH-3D COCKPIT UPGRADE (OSIP 010-12) (SAFETY)	P-3a		- / 19.465	- / 11.573	- / 4.486	- / 11.731	- / -	- / 11.731
7 / VH-92A IMPROVEMENT PROGRAM (OSIP 001-20) (SAFETY)	P-3a		- / 0.000	- / -	- / -	- / -	- / -	- / -
8 / Inactive OSIPs (SAFETY)	P-3a		- / 204.423	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 562.890	- / 65.537	- / 68.128	- / 76.138	- / -	- / 76.138
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / VH-60N COCKPIT UPGRADE (OSIP 009-02) (SAFETY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 170.333
2 / VH COMM UPGRADE (OSIP 014-02) (SAFETY)	P-3a		- / 32.652	- / 29.774	- / 22.416	- / 10.097	- / -	- / 208.767
3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08) (SAFETY)	P-3a		- / 8.714	- / 8.550	- / 7.506	- / 0.421	- / -	- / 60.432
4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09) (SAFETY)	P-3a		- / 23.499	- / 17.665	- / 12.443	- / -	- / -	- / 205.482
5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11) (SAFETY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 49.738
6 / VH-3D COCKPIT UPGRADE (OSIP 010-12) (SAFETY)	P-3a		- / 5.914	- / 7.210	- / 10.477	- / 10.957	- / 33.000	- / 114.813
7 / VH-92A IMPROVEMENT PROGRAM (OSIP 001-20) (SAFETY)	P-3a		- / -	- / -	- / -	- / 23.000	Continuing	Continuing
8 / Inactive OSIPs (SAFETY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 204.423
Total Gross/Weapon System Cost			- / 70.779	- / 63.199	- / 52.842	- / 44.475	Continuing	Continuing

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

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

Justification:

Changes from FY15 to FY16 result from marks and reprogramming and include the scope reduction of the VH-3D Cockpit upgrade. This budget increases the scope and schedule of the Wide Band Line of Sight effort, a Communications Suite Upgrade effort, due to further definition of user requirements. Obsolescence Management Program performance upgrades, VH-3D engines and VH-60 cabin interior re-design were eliminated due to budget pressures. The VH-92A Improvement Program was incorporated into the budget to provide for the preparation and implementation of Engineering Change Proposals (ECP) to sustain and improve VH-92A operations.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 1 / VH-60N COCKPIT UPGRADE (OSIP 009-02)

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)	157.502	5.704	5.213	1.914	-	1.914	-	-	-	-	-	170.333
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	157.502	5.704	5.213	1.914	-	1.914	-	-	-	-	-	170.333
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	157.502	5.704	5.213	1.914	-	1.914	-	-	-	-	-	170.333
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: In order to meet the requirement of providing safe and timely transportation for the President, Vice President, and other parties as directed by the Director of the White House Military Office (WHMO), and in support of the alert and contingency mission requirement of the WHMO Operations Plan, the VH-60N aircraft cockpit must be upgraded to provide enhanced communication, navigation, and survivability capabilities while reducing pilot workload. The cockpit upgrade will be an all-glass instrumentation built around pilot, co-pilot, and Communications Systems Operator Multi-Function Displays and Control Display Units. A moving map display complete with terrain database will be incorporated, while maintaining the current capabilities of Tactical Air Navigation, Variable Omni Receiver, Instrument Landing System, Automatic Direction Finding, Traffic Collision Avoidance System, Crash Survivable Flight Instrument Recorder, FM Immunity, Mode S Identification, Friend or Foe, ALE-47 and ALQ-144. The survivability capabilities will provide a countermeasure dispenser and an infrared countermeasure system interface. The navigation system should include laser ring gyro Inertial Navigation Systems with embedded Global Positioning System (GPS)-(EGI) that has integrity monitoring/Instrumented Flight Rules. A color weather radar will be incorporated. Communication capabilities must be consistent with White House Communications Agency (WHCA) planning and National Security Agency requirements. Three Ultra High Frequency/Very High Frequency/Frequency Modulation (FM) radios (ARC-210s) shall be included. Two FM radios and the High Frequency with ALE currently on the VH-60N must be maintained. A coupled autopilot function shall be incorporated into the cockpit management system. Preplanned Product Improvement will include digital map, Ground Proximity Warning System(GPWS), communication, navigation and surveillance/ air traffic management, and GPS Non-precision approach (Required Navigation Performance/Required Navigation). Preplanned Product Improvement (P3I) includes both hardware as well as the necessary changes to the Operational Flight Plan (OFP) software to support the Cockpit Upgrade Program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: This Acquisition Category (ACAT) IV-T program was approved in July 2001. Milestone B was approved November 2003. The program was re-designated as ACAT IV-M in November 2003. Milestone C was approved April 2006. Test bed aircraft modification and first kit procurement began in FY 2006. Installation of 1st production kit began in FY 2008. Development Testing was completed in FY 2009. Full Rate Production was approved August 2009. Initial Operating Capability was achieved in February 2010, with Full Operating Capability scheduled for FY 2014. P3I hardware efforts began in FY 2009 and will finish in FY 2014.P3I software upgrade integration will complete in FY16. In FY15 and FY16, funding will implement a new Integrated Standby Instrument System (ISIS).

Notes:

1. Installs must follow Special Progressive Aircraft Rework schedule.
2. The Other Support funding in FY14 is in support of the final installation of the final VH-60N Cockpit Upgrade kit installation as well as for P3I software integration.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 1 / VH-60N COCKPIT UPGRADE (OSIP 009-02)

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0566 / Executive Helicopters Series					Modification Number / Title: 1 / VH-60N COCKPIT UPGRADE (OSIP 009-02)			
Models of Systems Affected: VH-60N					Modification Type: SAFETY					Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement													
<i>Modification Item 1 of 1:</i> VH-60N COCKPIT UPGRADE (OSIP 009-02)													
A Kits													
Recurring													
1.1.1) VH-60N COCKPIT UPGRADE KIT - NonOrganic	8 / 8.371	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 8.371
1.1.2) VH-60N Standby Instruments - Organic ⁽¹⁾	- / -	- / -	4 / 0.400	4 / 0.408	- / -	4 / 0.408	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.808
<i>Subtotal: Recurring</i>	- / 8.371	- / -	- / 0.400	- / 0.408	- / -	- / 0.408	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.179
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 34.031	- / -	- / 0.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.111
<i>Subtotal: Non-Recurring</i>	- / 34.031	- / -	- / 0.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.111
B Kits													
Recurring													
2.1.1) Archived B Kits - Organic	- / 12.680	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.680
2.1.2) VH-60N Standby Instruments - Organic	- / -	- / -	4 / 0.300	4 / 0.306	- / -	4 / 0.306	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.606
<i>Subtotal: Recurring</i>	- / 12.680	- / -	- / 0.300	- / 0.306	- / -	- / 0.306	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.286
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 21.888	- / -	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.948
<i>Subtotal: Non-Recurring</i>	- / 21.888	- / -	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.948
<i>Subtotal: VH-60N COCKPIT UPGRADE (OSIP 009-02)</i>	8 / 76.970	- / -	8 / 0.840	8 / 0.714	- / -	8 / 0.714	- / -	- / -	- / -	- / -	- / -	- / -	24 / 78.524
<i>Subtotal: Procurement, All Modification Items</i>	- / 76.970	- / -	- / 0.840	- / 0.714	- / -	- / 0.714	- / -	- / -	- / -	- / -	- / -	- / -	- / 78.524
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Preplanned Prod Improvement (ECO)	- / 11.658	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.658
3.3) Data	- / 4.044	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.544
3.4) Training Equipment	- / 5.100	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.600
3.5) Support Equipment	- / 1.052	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.052
3.6) ILS	- / 0.556	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.556
3.7) Other Support ⁽²⁾	- / 41.951	- / 3.673	- / 3.373	- / 1.200	- / -	- / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.197
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 64.361	- / 3.673	- / 4.373	- / 1.200	- / -	- / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / 73.607
Installation													

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LI 0566 - Executive Helicopters Series
Navy

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0566 / Executive Helicopters Series										Modification Number / Title: 1 / VH-60N COCKPIT UPGRADE (OSIP 009-02)																			
Modification Item 1 of 1: VH-60N COCKPIT UPGRADE (OSIP 009-02)																																							
Manufacturer Information																																							
Manufacturer Name: Sikorsky Aircraft Corporation															Manufacturer Location: Stratford, CT																								
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 13																								
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
Contract Dates																																							
Delivery Dates																																							
Installation Information																																							
Method of Implementation: Installation of Cockpit Upgrade during SPAR:: Installation Name: VH-60N COCKPIT UPGRADE KIT																																							
Installation Cost		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																										
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																										
Prior Years		7 / 16.171	1 / 2.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 18.202																										
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
Total		7 / 16.171	1 / 2.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 18.202																										
Installation Schedule																																							
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	7	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8								
Out	6	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8								
Method of Implementation (Organic): Organic - VH-60N Standby Instruments																														Installation Quantity: 8									
Method of Implementation (Organic): Organic - VH-60N Standby Instruments																														Installation Quantity: 8									

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 1 / VH-60N COCKPIT UPGRADE (OSIP 009-02)

Footnotes:

(1) The VH-60N Standby Instruments will be installed at O-level by the squadron.

(2) Additional funding was added in FY15 and FY16 to implement a new Integrated Standby Instrument System (ISIS). The funding in FY15 and FY16 will support ISIS integration, P3I software integration, as well as field activity support for fielding ISIS.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series					Modification Number / Title: 2 / VH COMM UPGRADE (OSIP 014-02)			

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>)	86.354	7.575	1.698	18.201	-	18.201	32.652	29.774	22.416	10.097	-	208.767
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	86.354	7.575	1.698	18.201	-	18.201	32.652	29.774	22.416	10.097	-	208.767
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	86.354	7.575	1.698	18.201	-	18.201	32.652	29.774	22.416	10.097	-	208.767
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The White House Military Office (WHMO) has directed that Very High Frequency Frequency Modulation (FM) radios operate in the APCO-25 digital mode. New radios must be procured in order to meet this requirement. Joint Chiefs of Staff Directive MJCS-63-89 states that all users of Ultra High Frequency SATCOM shall have demand assigned multiple access (DAMA) capability. The White House Communication Agency (WHCA) has directed that all WHMO elements be connected and have the ability to operate in the DAMA mode by 2005. Satisfaction of the DAMA SATCOM requirement will require the incorporation of two DAMA capable radios in each aircraft to satisfy the need for full duplex communication. An install kit will be built to house the radio, amplifier, and aircraft interface module, and then it will be installed in the aircraft as one unit. WHCA has also directed that all WHMO elements have the ability to operate in the HF/Automatic Link Establishment (ALE) mode by 2007. To meet the HF/ALE requirement, software modifications to the Operational Flight Program (OFP) must be completed to fully utilize all ALE capabilities of the current HF radio. OFP software will be modified by Naval Air Warfare Center Aircraft Division (NAWC-AD) to allow new systems to work in the aircraft. The FM (YZ) radio replacement is required in order to have a redundant secure voice capability due to the obsolescence of the YZ radio system employed by WHCA. An upgrade to all radios is required to maintain crypto security requirements. Required upgrades vary from software/firmware mods to the replacement of multiple radios on the VH-3D/VH-60N. Additionally, in support of the Senior Leaders Communications, a Wideband Line of Sight (WBLoS) system is required. A new radio, antenna, associated accessories, and aircraft integration will be required for this effort and procurement efforts will begin in FY 2016. Phase III of the four phase WBLoS effort will begin in FY 2017 and includes the NRE for an upgraded software OFP that will provide the capability for a single Hydra Terminal to communicate with more than one Ground Entry Point (GEP) at a time in order to minimize transition time between GEPs. It will also include the testing and verification of that software. Phase IV includes the NRE for an upgraded software OFP as well as a network upgrade to reduce anticipated packet routing delays due to limitations of OSPF (Open Shortest Path First) protocol when transitioning from GEP to GEP. This effort will also include upgrading the entire network to support the VH requirement of seamless transitions between GEPs. Development and deployment of enhanced capabilities through phases (via software and modifications to the radio and/ or ground equipment) continue after initial installations.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: This program was approved as an Abbreviated Acquisition Program in July 2001. Program was upgraded to Acquisition Category IV-M in March 2003. Digital FM was completed in FY 2005. The HF/ALE modification was completed in FY 2009. FM radio replacement was completed in FY 2009. The Crypto modernization effort for both aircraft began in FY 2010. All performance testing and Electro Magnetic Compatibility/Electro Magnetic Interference testing will be performed by NAWC-AD. Validation/Verification will be performed by HMX-1 to ensure interoperability with all WHMO elements. Remaining work is being conducted under an engineering change proposal (ECP). In PB14, the DEPSECDEF initiated the requirement for the Wide Band Line of Sight capability. Research and development efforts began in FY2014 for this effort; the procurement efforts begin in FY2016.

Notes:

1. VH-3D/VH-60N Communication Upgrade NRE for B kits includes two (2) test aircraft and five (5) lab assets.
2. FY15 NRE includes additional Vinson ANDVT Crypto Moderization (VACM) and Electro Magnetic testing (E3) support which is part of Crypto, as well as support for the final VH-3D installation of Crypto hardware.
3. Initial integration for the VH-3D Communications Upgrade (WBLoS) and VH-60N Communications Upgrade (WBLoS) will occur in FY16 and FY17. In FY19 and FY20, focus will be on the fielding of WBLoS phased upgrades.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 2 / VH COMM UPGRADE (OSIP 014-02)

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 2 / VH COMM UPGRADE (OSIP 014-02)					
Models of Systems Affected: VH-60N/VH-3D			Modification Type: SAFETY					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: VH COMM UPGRADE (OSIP 014-02)													
A Kits													
Recurring													
1.1.1) Crypto - ARC-210 VH-3D - NonOrganic ⁽³⁾	11 / 0.674	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.674	
1.1.2) Prior Year Archive A Kits - Organic	96 / 4.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	96 / 4.025	
1.1.3) VH-3D Communication Upgrade (WBLoS) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.055	3 / 1.863	3 / 1.896	- / -	- / -	11 / 6.814	
1.1.4) VH-60 Communication Upgrade (WBLoS) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.833	3 / 1.863	2 / 1.264	- / -	- / -	8 / 4.960	
Subtotal: Recurring	- / 4.699	- / -	- / -	- / -	- / -	- / -	- / 4.888	- / 3.726	- / 3.160	- / -	- / -	- / 16.473	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁴⁾	- / 12.471	- / -	- / -	- / 7.300	- / -	- / 7.300	- / 4.800	- / 8.000	- / 4.000	- / 4.597	- / -	- / 41.168	
Subtotal: Non-Recurring	- / 12.471	- / -	- / -	- / 7.300	- / -	- / 7.300	- / 4.800	- / 8.000	- / 4.000	- / 4.597	- / -	- / 41.168	
B Kits													
Recurring													
2.1.1) Prior Year Archive B Kit - Organic	127 / 15.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	127 / 15.065	
2.1.2) PY Install Amount - Organic	- / 4.950	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.950	
2.1.3) VH-3D Communications Equipment Upgrade (WBLoS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	5 / 4.250	3 / 2.592	3 / 2.637	- / -	- / -	11 / 9.479	
2.1.4) VH-60N Communications Equipment Upgrade (WBLoS) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.550	3 / 2.592	2 / 1.758	- / -	- / -	8 / 6.900	
Subtotal: Recurring	- / 20.015	- / -	- / -	- / -	- / -	- / -	- / 6.800	- / 5.184	- / 4.395	- / -	- / -	- / 36.394	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁵⁾	- / 7.064	- / 4.500	- / 0.200	- / 7.800	- / -	- / 7.800	- / 5.954	- / 2.631	- / 0.526	- / 0.500	- / -	- / 29.175	
Subtotal: Non-Recurring	- / 7.064	- / 4.500	- / 0.200	- / 7.800	- / -	- / 7.800	- / 5.954	- / 2.631	- / 0.526	- / 0.500	- / -	- / 29.175	
Subtotal: VH COMM UPGRADE (OSIP 014-02)	234 / 44.249	- / 4.500	- / 0.200	- / 15.100	- / -	- / 15.100	16 / 22.442	12 / 19.541	10 / 12.081	- / 5.097	- / -	272 / 123.210	
Subtotal: Procurement, All Modification Items	- / 44.249	- / 4.500	- / 0.200	- / 15.100	- / -	- / 15.100	- / 22.442	- / 19.541	- / 12.081	- / 5.097	- / -	- / 123.210	
Support (All Modification Items)													
3.1) Engineering Change Order	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Prior Year Archive Engineering Change Orders	- / 2.576	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.576	
3.3) Data	- / 7.005	- / 0.056	- / -	- / 0.250	- / -	- / 0.250	- / 1.300	- / 0.900	- / 0.825	- / 0.500	- / -	- / 10.836	
3.4) Training Equipment	- / 1.204	- / -	- / 0.610	- / -	- / -	- / -	- / 1.600	- / 1.300	- / 1.315	- / 0.850	- / -	- / 6.879	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 2 / VH COMM UPGRADE (OSIP 014-02)					
Models of Systems Affected: VH-60N/VH-3D				Modification Type: SAFETY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.5) Support Equipment ⁽⁶⁾	- / 3.259	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.780	- / 0.525	- / 0.325	- / -	- / -	- / 5.089	
3.6) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Other Support ⁽⁷⁾	- / 27.429	- / 2.398	- / 0.888	- / 2.651	- / -	- / 2.651	- / 3.330	- / 5.062	- / 5.793	- / 3.650	- / -	- / 51.201	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 41.473	- / 2.454	- / 1.498	- / 3.101	- / -	- / 3.101	- / 7.010	- / 7.787	- / 8.258	- / 5.000	- / -	- / 76.581	
Installation													
Modification Item 1 of 1: VH COMM UPGRADE (OSIP 014-02)	- / 0.632	- / 0.621	- / -	- / -	- / -	- / -	- / 3.200	- / 2.446	- / 2.077	- / -	- / -	- / 8.976	
Subtotal: Installation	- / 0.632	- / 0.621	- / -	- / -	- / -	- / -	- / 3.200	- / 2.446	- / 2.077	- / -	- / -	- / 8.976	
Total													
Total Cost (Procurement + Support + Installation)	86.354	7.575	1.698	18.201	-	18.201	32.652	29.774	22.416	10.097	-	208.767	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 2 / VH COMM UPGRADE (OSIP 014-02)

Modification Item 1 of 1: VH COMM UPGRADE (OSIP 014-02)

Manufacturer Information

Manufacturer Name: Sikorsky Aircraft Corp - Crypto ARC 210 VH-3D				Manufacturer Location: Stratford, CT			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 10			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: Sikorsky Aircraft Corp - VH-3D Communications Upgrade (WBLoS)				Manufacturer Location: Stratford, CT			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Feb 2017	Feb 2018	Feb 2019	
Delivery Dates				Jun 2017	Jun 2018	Jun 2019	
Manufacturer Name: Sikorsky Aircraft Corp - VH-60 Communications Upgrade (WBLoS)				Manufacturer Location: Stratford, CT			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Feb 2017	Feb 2018	Feb 2019	
Delivery Dates				Jun 2017	Jun 2018	Jun 2019	

Installation Information

Method of Implementation: [none specified]:: Installation Name: Crypto - ARC-210 VH-3D

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	6 / 0.632	5 / 0.621	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.253
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 0.632	5 / 0.621	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.253

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 2 / VH COMM UPGRADE (OSIP 014-02)

Modification Item 1 of 1: VH COMM UPGRADE (OSIP 014-02)

Installation Information

Method of Implementation: [none specified]:: Installation Name: Crypto - ARC-210 VH-3D

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	6	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Out	6	2	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11

Method of Implementation: Contractor Field Mod - Team:: Installation Name: VH-3D Communication Upgrade (WBLoS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.000	- / -	- / -	- / -	- / -	5 / 2.000
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.223	- / -	- / -	- / -	3 / 1.223
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.246	- / -	- / -	3 / 1.246
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.000	3 / 1.223	3 / 1.246	- / -	- / -	11 / 4.469

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	3	-	-	-	3	-	-	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	2	1	-	-	2	1	-	-	-	-	-	-	11

Method of Implementation: Contractor Field Mod Team:: Installation Name: VH-60 Communication Upgrade (WBLoS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 2 / VH COMM UPGRADE (OSIP 014-02)

Modification Item 1 of 1: VH COMM UPGRADE (OSIP 014-02)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: VH-60 Communication Upgrade (WBLoS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.200	- / -	- / -	- / -	- / -	3 / 1.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.223	- / -	- / -	- / -	3 / 1.223
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.831	- / -	- / -	2 / 0.831
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.200	3 / 1.223	2 / 0.831	- / -	- / -	8 / 3.254

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	3	-	-	-	2	-	-	-	-	-	-	8
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	1	-	-	1	1	-	-	-	-	-	8

Method of Implementation (Organic): Organic - Prior Year Archive A Kits	Installation Quantity: 96

Method of Implementation (Organic): Not Installed - Prior Year Archive B Kit	Installation Quantity: 127

Method of Implementation (Organic): Organic - VH-3D Communications Equipment Upgrade (WBLoS)	Installation Quantity: 11

Method of Implementation (Organic): Not Installed - VH-60N Communications Equipment Upgrade (WBLoS)	Installation Quantity: 8

Footnotes:

⁽³⁾ All Crypto is installed at O-level by the squadron with the exception of Crypto ARC-210 VH-3D, which will be installed by a contractor field mod team.

⁽⁴⁾ FY16 is the first year of procurement funding for WBLoS, leading to the large increase in NRE in FY16. Additional funding added to FY17 through FY20 for Phase III and IV of the Wide Band Line of Sight (WBLoS) effort, which will include software and satellite integration. The increase in funding reflects the expensive nature of this software and satellite integration due to the fact that this program is driving the need for this technology.

⁽⁵⁾ FY14 NRE includes funding for Phoenix Air to Ground Communication Network (PAGCN) which is necessary to meet Crypto security requirements. FY15 NRE includes Vinson ANDVT Crypto Modernization (VACM) and Electro Magnetic Testing (E3) support which is part of Crypto, as well as DTU-7000 efforts.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 2 / VH COMM UPGRADE (OSIP 014-02)

(6) Procurement of support equipment for the VH-3D Communications Upgrade (WBLoS) and the VH-60N Communications Upgrade (WBLoS) system will begin in FY16. The remaining new support equipment will be procured in FY17-FY19.

(7) Other support in FY19 and FY20 maintains support needed to field the WBLoS modification during subsequent years.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)

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)	16.723	0.679	8.802	9.037	-	9.037	8.714	8.550	7.506	0.421	-	60.432
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	16.723	0.679	8.802	9.037	-	9.037	8.714	8.550	7.506	0.421	-	60.432
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	16.723	0.679	8.802	9.037	-	9.037	8.714	8.550	7.506	0.421	-	60.432
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The VH Structural Enhancements Program consists of the efforts necessary to extend the service lives of the VH-3D and VH-60N airframes. Due to the cancellation of the VH-71 program, the VH-3D and VH-60N must stay in service longer to support mission needs. In order to meet the new usage requirements, a Service Life Extension Program (SLEP) was established to implement upgrades identified in the Service Life Assessment Program (SLAP). Additionally, safety upgrades to the VH-3D fuel system will be incorporated.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Non-Recurring Engineering for the VH-3D and VH-60N Service Life Extensions began FY 2012. Non-Recurring Engineering for the VH-3D Fuel System Upgrades begins in FY 2015.

Notes:

1. VH-3D Fuel System Upgrade A & B kit quantity includes one (1) kit for the NVH test aircraft.
2. FY15 Installation Equipment NRE is for fuel upgrades and includes Val/Ver.
3. As FY19 is the last year of the effort, other support includes support necessary to complete fielding in subsequent years.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)					
Models of Systems Affected: VH-3D/VH-60N				Modification Type: SAFETY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)													
A Kits													
Recurring													
1.1.1) VH-60N SLEP Kits - NonOrganic ⁽⁸⁾	- / -	- / -	2 / 0.325	1 / 0.167	- / -	1 / 0.167	2 / 0.339	2 / 0.340	1 / 0.173	- / -	- / -	8 / 1.344	
1.1.2) VH-3D SLEP Kits - NonOrganic	11 / 0.896	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.896	
1.1.3) VH-3D Fuel Upgrade Kits - NonOrganic	- / -	- / -	3 / 0.150	3 / 0.151	- / -	3 / 0.151	3 / 0.154	3 / 0.156	- / -	- / -	- / -	12 / 0.611	
Subtotal: Recurring	- / 0.896	- / -	- / 0.475	- / 0.318	- / -	- / 0.318	- / 0.493	- / 0.496	- / 0.173	- / -	- / -	- / 2.851	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁹⁾	- / 6.653	- / -	- / 0.585	- / 0.085	- / -	- / 0.085	- / -	- / -	- / -	- / -	- / -	- / 7.323	
Subtotal: Non-Recurring	- / 6.653	- / -	- / 0.585	- / 0.085	- / -	- / 0.085	- / -	- / -	- / -	- / -	- / -	- / 7.323	
B Kits													
Recurring													
2.1.1) VH-3D Fuel Upgrade Equipment - Organic	- / -	- / -	3 / 1.100	3 / 1.070	- / -	3 / 1.070	3 / 1.091	3 / 1.110	- / -	- / -	- / -	12 / 4.371	
Subtotal: Recurring	- / 0.000	- / -	- / 1.100	- / 1.070	- / -	- / 1.070	- / 1.091	- / 1.110	- / -	- / -	- / -	- / 4.371	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽¹⁰⁾	- / 0.803	- / -	- / 1.335	- / 0.115	- / -	- / 0.115	- / -	- / -	- / -	- / -	- / -	- / 2.253	
Subtotal: Non-Recurring	- / 0.803	- / -	- / 1.335	- / 0.115	- / -	- / 0.115	- / -	- / -	- / -	- / -	- / -	- / 2.253	
Subtotal: VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)	11 / 8.352	- / -	8 / 3.495	7 / 1.588	- / -	7 / 1.588	8 / 1.584	8 / 1.606	1 / 0.173	- / -	- / -	43 / 16.798	
Subtotal: Procurement, All Modification Items	- / 8.352	- / -	- / 3.495	- / 1.588	- / -	- / 1.588	- / 1.584	- / 1.606	- / 0.173	- / -	- / -	- / 16.798	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS ⁽¹¹⁾	- / 0.100	- / 0.106	- / 0.223	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.429	
3.6) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Other Support ⁽¹²⁾	- / 8.271	- / 0.573	- / 3.625	- / 4.005	- / -	- / 4.005	- / 4.011	- / 4.006	- / 5.000	- / -	- / -	- / 29.491	
Subtotal: Support	- / 8.371	- / 0.679	- / 3.848	- / 4.005	- / -	- / 4.005	- / 4.011	- / 4.006	- / 5.000	- / -	- / -	- / 29.920	
Installation													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)				
Models of Systems Affected: VH-3D/VH-60N				Modification Type: SAFETY				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Modification Item 1 of 1: VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)	- / 0.000	- / -	- / 1.459	- / 3.444	- / -	- / 3.444	- / 3.119	- / 2.938	- / 2.333	- / 0.421	- / -	- / 13.714
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / 1.459	- / 3.444	- / -	- / 3.444	- / 3.119	- / 2.938	- / 2.333	- / 0.421	- / -	- / 13.714
Total												
Total Cost (Procurement + Support + Installation)	16.723	0.679	8.802	9.037	-	9.037	8.714	8.550	7.506	0.421	-	60.432

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)				
Modification Item 1 of 1: VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)												
Manufacturer Information												
Manufacturer Name: Sikorsky Aircraft Corporation - VH Service Life Extension Program VH-60N							Manufacturer Location: Stratford, CT					
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 16					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates		Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018						
Delivery Dates		Apr 2016	Apr 2017	Apr 2018	Apr 2019	Apr 2020						
Manufacturer Name: Sikorsky Aircraft Corp - VH3D Fuel Upgrade Kit							Manufacturer Location: Stratford, CT					
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 13					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates		Dec 2014	Dec 2015	Dec 2016	Dec 2017							
Delivery Dates		Jan 2016	Jan 2017	Jan 2018	Jan 2019							
Manufacturer Name: Sikorsky Aircraft Corporation - VH Service Life Extension Program - VH-3D							Manufacturer Location: Stratford, CT					
Administrative Leadtime (in Months): 12							Production Leadtime (in Months): 8					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates												
Delivery Dates												
Installation Information												
Method of Implementation: Contractor Field Mod Team:: Installation Name: VH-60N SLEP Kits												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	2 / 0.775	- / -	2 / 0.775	- / -	- / -	- / -	- / -	- / -	2 / 0.775
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.398	- / -	- / -	- / -	- / -	1 / 0.398
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.812	- / -	- / -	- / -	2 / 0.812
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.827	- / -	- / -	2 / 0.827
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.421	- / -	1 / 0.421
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 0.775	- / -	2 / 0.775	1 / 0.398	2 / 0.812	2 / 0.827	1 / 0.421	- / -	8 / 3.233

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)

Modification Item 1 of 1: VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: VH-60N SLEP Kits

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	1	1	-	-	1	1	-	-	1	-	-	8
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	1	1	-	-	1	1	-	1	8

Method of Implementation: Contractor Field Mod Team:: Installation Name: VH-3D SLEP Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	2 / 1.459	3 / 1.869	- / 0.000	3 / 1.869	3 / 1.905	2 / 1.294	1 / 0.659	- / -	- / -	11 / 7.186
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 1.459	3 / 1.869	- / -	3 / 1.869	3 / 1.905	2 / 1.294	1 / 0.659	- / -	- / -	11 / 7.186

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	2	-	1	1	1	-	1	1	1	-	1	1	-	-	1	-	-	-	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	2	-	1	1	1	-	1	1	-	1	1	-	-	1	-	-	-	-	-	-	11

Method of Implementation: Installation of VH-3D Fuel Upgrades during SPAR:: Installation Name: VH-3D Fuel Upgrade Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 3 / VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)

Modification Item 1 of 1: VH STRUCTURAL ENHANCEMENTS (OSIP 016-08)

Installation Information

Method of Implementation: Installation of VH-3D Fuel Upgrades during SPAR:: Installation Name: VH-3D Fuel Upgrade Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	3 / 0.800	- / -	3 / 0.800	- / -	- / -	- / -	- / -	- / -	3 / 0.800
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.816	- / -	- / -	- / -	- / -	3 / 0.816
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.832	- / -	- / -	- / -	3 / 0.832
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.847	- / -	- / -	3 / 0.847
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	3 / 0.800	- / -	3 / 0.800	3 / 0.816	3 / 0.832	3 / 0.847	- / -	- / -	12 / 3.295

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1	-	-	-	-	-	12
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1	-	-	12

Method of Implementation (Organic): Organic - VH-3D Fuel Upgrade Equipment

Installation Quantity: 12

Footnotes:

(8) Installs must follow SPAR schedule.

(9) VH-3D Fuel Systems Upgrade A Kit NRE. Funded across FY15 and FY16.

(10) VH-3D Fuel Systems Upgrade B Kit NRE. Funded across FY15 and FY16. Non-Recurring Engineering in FY15 includes the Val/Ver.

(11) FY14 & FY15 ILS products are sequential and unique products. FY14 funds pay for the Logistics Analyses for VH-3D Fuel System Upgrades as well supportability design interface. In FY15, these data are integrated into the VH-3D Logistics Management Information (LMI) with Maintenance Task Development for operations & maintenance manuals and tool modification determination and SLEP changes.

(12) Labor support of VH-3D, VH-60 SLEP and Fuel System Upgrade. Funding levels align to properly execute installations, test activities and other tasks related to NRE. As FY19 is the last year for the effort, other support is necessary to complete fielding and support the program in subsequent years.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series						Modification Number / Title: 4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)		
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>)	41.676	37.041	37.903	35.255	-	35.255	23.499	17.665	12.443	-	-	205.482
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	41.676	37.041	37.903	35.255	-	35.255	23.499	17.665	12.443	-	-	205.482
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	41.676	37.041	37.903	35.255	-	35.255	23.499	17.665	12.443	-	-	205.482
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION: This Operational, Safety, and Improvement Program provides for the readiness of the VH-3D and VH-60N Presidential Helicopters. The projected end of service for the VH-3D and VH-60N is now expected to extend beyond 2020. Funds will be utilized to manage and prepare, process, and incorporate Engineering Change Proposals (ECP) and implement changes to sustain and improve all Executive Helicopter Series system readiness including safety, mission availability, structural integrity, and component (avionics/systems) reliability, maintainability, operational weight, performance, and obsolescence conditions as they arise. This program contains the following efforts: Conversion of VH-60N engines to increase mission performance and reduce obsolescence conditions. Non-recurring engineering (NRE) efforts will include multiple ECPs for change kits, integration testing and Integrated Logistics Support (ILS) updates to include technical data. Recurring efforts include installation kits, installation equipment and installations. Replace/upgrade the ILS Avionics test benches, test sets and support equipment used to support VH unique avionics. Replace/upgrade Air Vehicle Support Equipment and technical data to support VH unique Air Vehicle requirements. Effort will install new operating systems, replace obsolete components and core computers, test equipment and basic test program hardware. Replace/upgrade the cabin interiors for the VH-3D. Effort will upgrade VH-3D interior by replacing components to reduce aircraft operational weight and ease maintainability. The VH Comms Upgrade replaces obsolete communication and enhances the quality of voice and data transfer in both the VH-3D and VH-60N platforms. The VH-3D Very Important Person (VIP) Seat Upgrade is part of the cabin interior modification program and will replace the VIP seat currently on the aircraft in order to meet required crashworthiness standards. Additionally, the VIP seat will reduce aircraft operational weight. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NRE for the VH-60N T700-401C engine conversions began in FY 2010. This modification will cover 24 engine upgrades for 8 installations on VH-60N helicopters. Three T700-401C engines are required per aircraft. Notes: 1. Avionics kits will be installed at O-level by the squadron. 2. VH-3D Cabin Interior Redesign A kit in FY14 is the validation/verification kit. 3. VH-3D Engines, Performance Upgrade, Equipment and VH-60N Cabin Interior Redesign Equipment and associated installs have been reduced to zero due to FY14 budget pressures. 4. Cabin interior will be installed during SPAR at Sikorsky and at HMX-1 in order to accelerate completion, requiring additional investments in installation equipment in FY17. 5. As FY19 is the last year for the effort, Other support in FY19 maintains support needed to field the cabin interior modification during subsequent years.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)					
Models of Systems Affected: VH-3D/VH-60N				Modification Type: SAFETY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)													
A Kits													
Recurring													
1.1.1) Engines Kit- VH-60N - Organic	2 / 0.158	6 / 0.502	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.660	
1.1.2) Avionics Kit - Organic ⁽¹³⁾	- / -	- / -	2 / 1.600	2 / 1.630	- / -	2 / 1.630	1 / 0.830	- / -	- / -	- / -	- / -	5 / 4.060	
1.1.3) VH-3D Cabin Interior Redesign Kit - NonOrganic ⁽¹⁴⁾	- / -	1 / 7.806	3 / 6.993	3 / 6.963	- / -	3 / 6.963	2 / 4.684	2 / 4.702	- / -	- / -	- / -	11 / 31.148	
1.1.4) VH-3D VIP Seat Upgrade - Organic ⁽¹⁵⁾	- / -	11 / 0.462	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.462	
Subtotal: Recurring	- / 0.158	- / 8.770	- / 8.593	- / 8.593	- / -	- / 8.593	- / 5.514	- / 4.702	- / -	- / -	- / -	- / 36.330	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽¹⁶⁾	- / 8.067	- / 2.000	- / 4.803	- / 2.504	- / -	- / 2.504	- / -	- / -	- / -	- / -	- / -	- / 17.374	
Subtotal: Non-Recurring	- / 8.067	- / 2.000	- / 4.803	- / 2.504	- / -	- / 2.504	- / -	- / -	- / -	- / -	- / -	- / 17.374	
B Kits													
Recurring													
2.1.1) Avionics Equip - Organic	- / -	- / -	2 / 1.000	2 / 1.019	- / -	2 / 1.019	1 / 0.518	- / -	- / -	- / -	- / -	5 / 2.537	
2.1.2) Prior Year Archive B Kits - NonOrganic ⁽¹⁷⁾	16 / 8.202	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 8.202	
2.1.3) VH-3D Cabin Interior Redesign Equipment - Organic	- / -	1 / 0.350	- / -	3 / 1.090	- / -	3 / 1.090	3 / 1.111	3 / 1.132	1 / 0.384	- / -	- / -	11 / 4.067	
Subtotal: Recurring	- / 8.202	- / 0.350	- / 1.000	- / 2.109	- / -	- / 2.109	- / 1.629	- / 1.132	- / 0.384	- / -	- / -	- / 14.806	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.250	- / 14.129	- / 7.945	- / 4.415	- / -	- / 4.415	- / 4.276	- / -	- / -	- / -	- / -	- / 31.015	
Subtotal: Non-Recurring	- / 0.250	- / 14.129	- / 7.945	- / 4.415	- / -	- / 4.415	- / 4.276	- / -	- / -	- / -	- / -	- / 31.015	
Subtotal: OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)	18 / 16.677	19 / 25.249	7 / 22.341	10 / 17.621	- / -	10 / 17.621	7 / 11.419	5 / 5.834	1 / 0.384	- / -	- / -	67 / 99.525	
Subtotal: Procurement, All Modification Items	- / 16.677	- / 25.249	- / 22.341	- / 17.621	- / -	- / 17.621	- / 11.419	- / 5.834	- / 0.384	- / -	- / -	- / 99.525	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.818	- / 0.284	- / 1.086	- / 1.000	- / -	- / 1.000	- / -	- / 1.606	- / -	- / -	- / -	- / 4.794	
3.3) Training Equipment	- / 5.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.491	
3.4) Support Equipment ⁽¹⁸⁾	- / -	- / 0.600	- / 3.700	- / 1.489	- / -	- / 1.489	- / 1.991	- / 1.210	- / 1.318	- / -	- / -	- / 10.308	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series					Modification Number / Title: 4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)				
Models of Systems Affected: VH-3D/VH-60N				Modification Type: SAFETY					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
3.5) ILS ⁽¹⁹⁾	- / 0.035	- / -	- / 0.450	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.500	- / 1.500	- / -	- / -	- / 3.485	
3.6) Other Support ⁽²⁰⁾	- / 18.655	- / 10.908	- / 9.070	- / 7.065	- / -	- / 7.065	- / 6.935	- / 6.855	- / 7.613	- / -	- / -	- / 67.101	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 24.999	- / 11.792	- / 14.306	- / 10.054	- / -	- / 10.054	- / 9.426	- / 10.171	- / 10.431	- / -	- / -	- / 91.179	
Installation													
Modification Item 1 of 1: OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)	- / 0.000	- / -	- / 1.256	- / 7.580	- / -	- / 7.580	- / 2.654	- / 1.660	- / 1.628	- / -	- / -	- / 14.778	
Subtotal: Installation	- / 0.000	- / -	- / 1.256	- / 7.580	- / -	- / 7.580	- / 2.654	- / 1.660	- / 1.628	- / -	- / -	- / 14.778	
Total													
Total Cost (Procurement + Support + Installation)	41.676	37.041	37.903	35.255	-	35.255	23.499	17.665	12.443	-	-	205.482	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)

Modification Item 1 of 1: OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)

Manufacturer Information

Manufacturer Name: Sikorsky Aircraft Corp	Manufacturer Location: Stratford, CT - VH-3D Cabin Interior
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 16

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Sep 2014	Dec 2014	Dec 2015	Dec 2016	Dec 2017		
Delivery Dates	Apr 2016	Apr 2016	Apr 2017	Apr 2018	Apr 2019		

Manufacturer Name: General Electric	Manufacturer Location: Fairfield, CT- VH-60N Engine Conversion Kits
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Installation of VH-3D Cabin Interior Redesign Mod:: Installation Name: VH-3D Cabin Interior Redesign

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 2.757	- / -	1 / 2.757	- / -	- / -	- / -	- / -	- / -	1 / 2.757
FY 2015	- / -	- / -	- / -	3 / 4.319	- / -	3 / 4.319	- / -	- / -	- / -	- / -	- / -	3 / 4.319
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.654	- / -	- / -	- / -	- / -	3 / 2.654
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.660	- / -	- / -	- / -	2 / 1.660
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.628	- / -	- / -	2 / 1.628
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 7.076	- / -	4 / 7.076	3 / 2.654	2 / 1.660	2 / 1.628	- / -	- / -	11 / 13.018

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	2	1	-	-	1	1	-	-	1	1	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	2	1	-	-	1	1	-	-	1	1	-	-	11

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)

Modification Item 1 of 1: OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)

Installation Information

Method of Implementation: Installation by Contractor Field Mod Team:: Installation Name: VH-60N Engine Conversion Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	10 / 0.000	10 / 1.256	4 / 0.504	- / 0.000	4 / 0.504	- / -	- / -	- / -	- / -	- / -	24 / 1.760
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	10 / -	10 / 1.256	4 / 0.504	- / -	4 / 0.504	- / -	- / -	- / -	- / -	- / -	24 / 1.760

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	3	3	2	2	3	3	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
Out	-	3	3	2	2	3	3	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24

Method of Implementation (Organic): Organic - Engines Kit- VH-60N	Installation Quantity: 8

Method of Implementation (Organic): Organic - Avionics Kit	Installation Quantity: 5

Method of Implementation (Organic): Organic - VH-3D VIP Seat Upgrade	Installation Quantity: 11

Method of Implementation (Organic): Organic - Avionics Equip	Installation Quantity: 5

Method of Implementation (Organic): Organic - VH-3D Cabin Interior Redesign Equipment	Installation Quantity: 11

Footnotes:

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 4 / OBSOLESCENCE MANAGEMENT PROGRAM (OSIP 023-09)
(13) Risk reduction for obsolescence on avionics equipment. (14) The increase in Cabin Interior Kit costs results from major components of the cabin interior being re-designed; including some structural components. These updated kit costs reflect contracted prices. (15) VIP Seats will be installed at the squadron as aircraft become available. (16) NRE increased due to leadership investment in In Service capabilities (Cabin interior, 401C) to reduce risk related to obsolescence associated with In Service platforms. Investment was made throughout OMP OSIP to ensure viability of In Service platforms to meet all IOC/FOC scenarios for VH-92A. FY14 and FY15 NRE funds Cabin Interior which includes val/ver and tooling. (17) The install schedule for the (24) VH-60N Engine Conversion kits includes (1) spare installation per aircraft. Engine conversion kit installation is subject to engine availability. Converted engines will be installed at the squadron as aircraft are available. The ten (10) engine conversion kits installed in FY14 were paid for under Other Support. (18) Support equipment increase in FY15 is a result of the start of the Avionics kit and Avionics equipment. It also includes the replacement of the air vehicle equipment Load Device-2 (LD-2) to support VH-3D requirements and an upgrade to the VHMT device. (19) FY15 and FY16 are unique ILS products interdependent with 401C NRE and VH3D Cabin Interiors NRE lines. FY15 includes Logistics Analysis/Supportability Design Interface for VH 401C. FY16 includes 401C logistics plans/Logistics Management Information (LMI) development and corrections/changes during the mods, and related maintenance task analysis. (20) As FY19 is the last year of the effort, the increase in Other Support in FY19 is to maintain the support necessary to field the cabin interior modification in subsequent years.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)

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>)	36.747	2.965	10.026	-	-	-	-	-	-	-	-	49.738
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	36.747	2.965	10.026	-	-	-	-	-	-	-	-	49.738
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	36.747	2.965	10.026	-	-	-	-	-	-	-	-	49.738
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: In order to meet the requirement of providing safe and timely transportation for the President, Vice President, and other parties as directed by the Director of the White House Military Office (WHMO), and in support of the alert and contingency mission requirement of the WHMO Operations Plan, a Trainer Conversion Program has been established to convert a H-3 and a H-60 into UH-3D and UH-60N flyable trainer aircraft. The Trainer Conversion Program will alleviate flight hours on In Service VH aircraft thus preserving service life on national fleet assets. The conversion will allow for modifications including the VH-60N Cockpit Upgrade, VH Communication Suite Upgrade, and VH-3D Lift Improvement. Funds will also be utilized to manage and prepare, process, and incorporate Engineering Change Proposals(ECP) and implement changes that are made on all operational Executive Helicopter Series aircraft including safely, mission availability, structural integrity, and component (avionics/systems) reliability, maintainability, and obsolescence conditions as they arise.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Trainer Conversion non-recurring engineering began in FY 2011. Procurement efforts began in FY 2012. Completion of the Trainer Conversion Program is projected in FY 2015.

1. As a cost savings initiative to the government, pre-existing H-3 and H-60 A kits are being used to perform conversions.
2. Common H-3 and H-60 parts were retained from the donor aircraft, therefore no A kit costs are required.
3. B kits are comprised of VH/UH unique parts.
4. Installation costs include teardown, inspection, repair and conversion of the aircraft. Tasks to support these activities began in FY12.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)				
Models of Systems Affected: VH-3D / VH-60N				Modification Type: SAFETY				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)												
A Kits												
Recurring												
1.1.2) UH-3D Conversion Kit - NonOrganic 1 / 0.000 - / - - / - - / - - / - - / - - / - - / - - 1 / -												
1.1.3) UH-60N Conversion Kit - NonOrganic 1 / 0.000 - / - - / - - / - - / - - / - - / - - / - - / - - 1 / -												
Subtotal: Recurring - / 0.000 - / - - / - - / - - / - - / - - / - - / - - / - - - / -												
Non-Recurring												
1.2.1) Archive Installation Kits N/R - Organic (21) - / 6.023 - / - - / 3.543 - / - - / - - / - - / - - / - - / - - / - - / - - - / 9.566												
Subtotal: Non-Recurring - / 6.023 - / - - / 3.543 - / - - / - - / - - / - - / - - / - - / - - / - - - / 9.566												
B Kits												
Recurring												
2.1.1) UH-60N Conversion Equip - Organic 1 / 0.661 - / 0.489 - / 0.675 - / - - / - - / - - / - - / - - / - - / - - / - - 1 / 1.825												
2.1.2) Archived B-Kits - Organic - / 1.486 - / - - / - - / - - / - - / - - / - - / - - / - - / - - / - - - / 1.486												
Subtotal: Recurring - / 2.147 - / 0.489 - / 0.675 - / - - / - - / - - / - - / - - / - - / - - / - - - / 3.311												
Non-Recurring												
2.2.1) Archive Installation Equipment N/R - Organic - / 8.175 - / - - / - - / - / - - / - - / - / - - / - - / - / - - / - - / - - - / 8.175												
Subtotal: Non-Recurring - / 8.175 - / - - / - - / - / - - / - - / - / - - / - - / - / - - / - - / - - - / 8.175												
Subtotal: VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11) 3 / 16.345 - / 0.489 - / 4.218 - / - - / - - / - / - - / - / - - / - / - - / - / - - / - / - 3 / 21.052												
Subtotal: Procurement, All Modification Items - / 16.345 - / 0.489 - / 4.218 - / - - / - - / - / - - / - / - - / - / - - / - / - - / - / - - / 21.052												
Support (All Modification Items)												
3.1) Engineering Change Orders - / 0.000 - / - - / - - / - / - - / - - / - / - - / - / - - / - / - - / - / - - / - / -												
3.2) Data (22) - / - - / 0.325 - / 0.500 - / - - / - - / - / - - / - / - - / - / - - / - / - - / - / - - / 0.825												
3.3) Training Equipment - / 0.000 - / - - / - - / - / - - / - - / - / - - / - / - - / - / - - / - / - - / - / -												
3.4) ILS - / 0.075 - / - - / - - / - / - - / - - / - / - - / - / - - / - / - - / - / - - / 0.075												
3.5) Other Support (23) - / 6.260 - / 2.151 - / 2.928 - / - - / - - / - / - - / - / - - / - / - - / - / - - / - / - - / 11.339												
3.6) Interim Contractor Support - / 0.000 - / - - / - - / - / - - / - - / - / - - / - / - - / - / - - / - / - - / - / -												
Subtotal: Support - / 6.335 - / 2.476 - / 3.428 - / - - / - - / - / - - / - / - - / - / - - / - / - - / - / - - / 12.239												
Installation												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series					Modification Number / Title: 5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)				
Models of Systems Affected: VH-3D / VH-60N				Modification Type: SAFETY					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Modification Item 1 of 1: VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)	- / 14.067	- / -	- / 2.380	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.447	
Subtotal: Installation	- / 14.067	- / -	- / 2.380	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.447	
Total													
Total Cost (Procurement + Support + Installation)	36.747	2.965	10.026	-	-	-	-	-	-	-	-	49.738	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0566 / Executive Helicopters Series										Modification Number / Title: 5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)											
Modification Item 1 of 1: VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)																															
Manufacturer Information																															
Manufacturer Name: Sikorsky Aircraft Corporation- UH-3D Conversion															Manufacturer Location: Stratford, CT																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 2																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Manufacturer Name: Sikorsky Aircraft Corporation- UH-60N Conversion															Manufacturer Location: Stratford, CT																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 9																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Installation of UH-3D Conversion - Contractor Mod Team:: Installation Name: UH-3D Conversion Kit																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		1 / 8.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.850																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		1 / 8.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.850																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 5 / VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)

Modification Item 1 of 1: VH-3D/VH-60N TRAINER CONVERSION (OSIP 009-11)

Installation Information

Method of Implementation: Installation of UH-60N Conversion - Contractor Mod Team:: Installation Name: UH-60N Conversion Kit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 5.217	- / -	- / 2.380	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.597
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 5.217	- / -	- / 2.380	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.597

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Method of Implementation (Organic): Organic - UH-60N Conversion Equip

Installation Quantity: 1

Footnotes:

(21) Increase in NRE for Installation Kits in FY15 is to pay for a cost overrun on the NRE needed to complete the UH-3D Trainer Conversion.

(22) Data in FY15 funds the publications for the modifications to the converted trainer aircrafts.

(23) Other Support in FY15 is for VAL/VER of the UH-60N Trainer Aircraft and to continue to fund government support at the Prototype Integration Facility (PIF) until the aircraft is delivered to the fleet in FY15.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 6 / VH-3D COCKPIT UPGRADE (OSIP 010-12)

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)	19.465	11.573	4.486	11.731	-	11.731	5.914	7.210	10.477	10.957	33.000	114.813
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	19.465	11.573	4.486	11.731	-	11.731	5.914	7.210	10.477	10.957	33.000	114.813
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	19.465	11.573	4.486	11.731	-	11.731	5.914	7.210	10.477	10.957	33.000	114.813
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: In order to meet the requirement of providing safe and timely transportation for the President, Vice President, and other parties as directed by the Director of the White House Military Office (WHMO), and in support of the alert and contingency mission requirement of the WHMO Operations Plan, a VH-3D Cockpit Upgrade program has been established to extend the VH-3D service life requirements. The VH-3D Cockpit Upgrade eliminates pending obsolescence & supportability issues with key avionics components and brings the VH-3D in compliance with mandated avionics capabilities (Communication Navigation Surveillance/Air Traffic Management, Terrain Awareness Warning System/Ground Proximity Warning System). In addition, an upgraded cockpit improves system safety, reduces pilot workload and training requirements. The baseline upgrade includes night vision compatibility and related cockpit lighting, GPS moving map functionality, and a satellite weather feed, bringing the VH-3D in line with VH-60N capabilities. Modern, common avionics equipment will reduce logistics cost and increase reliability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Procurement efforts for the VH-3D Cockpit Upgrade begin in FY 2012. Operational Flight Program Software (OFP) upgrades for the Cockpit Upgrade program are ongoing to support the upgraded hardware systems.

Notes:

1. GPS moving map functionality and satellite weather feed capabilities are being provisioned via hand-held tablets. These tablets are being certified for flight for this purpose.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 6 / VH-3D COCKPIT UPGRADE (OSIP 010-12)				
Models of Systems Affected: VH-3D				Modification Type: SAFETY				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: VH-3D COCKPIT UPGRADE (OSIP 010-12)												
A Kits												
Recurring												
1.1.1) VH-3D Cockpit Upgrade Kit - NonOrganic	- / -	- / -	- / -	1 / 0.200	- / -	1 / 0.200	1 / 0.204	3 / 0.611	6 / 1.223	- / -	- / -	11 / 2.238
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.204	- / 0.611	- / 1.223	- / -	- / -	- / 2.238
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 2.854	- / 4.315	- / -	- / 5.000	- / -	- / 5.000	- / -	- / -	- / -	- / 4.500	11 / 13.200	11 / 29.869
Subtotal: Non-Recurring	- / 2.854	- / 4.315	- / -	- / 5.000	- / -	- / 5.000	- / -	- / -	- / -	- / 4.500	- / 13.200	- / 29.869
B Kits												
Recurring												
2.1.1) VH-3D Cockpit Upgrade Kit - Organic	- / -	- / -	- / -	1 / 0.075	- / -	1 / 0.075	1 / 0.076	3 / 0.229	6 / 0.459	- / -	11 / 19.800	22 / 20.639
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.075	- / -	- / 0.075	- / 0.076	- / 0.229	- / 0.459	- / -	- / 19.800	- / 20.639
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / 6.699	- / 3.070	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / 2.000	- / -	- / 13.769
Subtotal: Non-Recurring	- / 6.699	- / 3.070	- / -	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / 2.000	- / -	- / 13.769
Subtotal: VH-3D COCKPIT UPGRADE (OSIP 010-12)	- / 9.553	- / 7.385	- / -	2 / 7.275	- / -	2 / 7.275	2 / 0.280	6 / 0.840	12 / 1.682	- / 6.500	22 / 33.000	44 / 66.515
Subtotal: Procurement, All Modification Items	- / 9.553	- / 7.385	- / -	- / 7.275	- / -	- / 7.275	- / 0.280	- / 0.840	- / 1.682	- / 6.500	- / 33.000	- / 66.515
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / -	- / 0.500	- / 0.800	- / -	- / -	- / -	- / 1.600	- / 1.500	- / 1.000	- / -	- / -	- / 5.400
3.3) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / 1.900	- / 1.500	- / -	- / -	- / 4.400
3.4) Support Equipment	- / 2.308	- / 0.250	- / -	- / 0.250	- / -	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / 2.808
3.5) ILS	- / -	- / -	- / -	- / 0.608	- / -	- / 0.608	- / -	- / -	- / -	- / -	- / -	- / 0.608
3.6) Other Support ⁽²⁴⁾	- / 7.604	- / 3.438	- / 3.686	- / 3.598	- / -	- / 3.598	- / 2.964	- / 2.900	- / 6.085	- / 4.036	- / -	- / 34.311
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 9.912	- / 4.188	- / 4.486	- / 4.456	- / -	- / 4.456	- / 5.564	- / 6.300	- / 8.585	- / 4.036	- / -	- / 47.527
Installation												
Modification Item 1 of 1: VH-3D COCKPIT UPGRADE (OSIP 010-12)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.070	- / 0.070	- / 0.210	- / 0.421	- / -	- / 0.771
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.070	- / 0.070	- / 0.210	- / 0.421	- / -	- / 0.771

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series						Modification Number / Title: 6 / VH-3D COCKPIT UPGRADE (OSIP 010-12)			
Models of Systems Affected: VH-3D				Modification Type: SAFETY						Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Total													
Total Cost (Procurement + Support + Installation)	19.465	11.573	4.486	11.731	-	11.731	5.914	7.210	10.477	10.957	33.000	114.813	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 6 / VH-3D COCKPIT UPGRADE (OSIP 010-12)																															
Modification Item 1 of 1: VH-3D COCKPIT UPGRADE (OSIP 010-12)																																							
Manufacturer Information																																							
Manufacturer Name: Sikorsky Aircraft Corporation							Manufacturer Location: Stratford, CT																																
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 13																																
Dates	FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019			FY 2020																				
Contract Dates							Dec 2015			Dec 2016			Dec 2017			Dec 2018																							
Delivery Dates							Jan 2017			Jan 2018			Jan 2019			Jan 2020																							
Installation Information																																							
Method of Implementation: Installation of Cockpit Upgrade during SPAR:: Installation Name: VH-3D Cockpit Upgrade Kit																																							
Installation Cost	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																											
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																											
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																											
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																											
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																											
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.070	- / -	- / -	- / -	- / -	1 / 0.070																											
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.070	- / -	- / -	- / -	1 / 0.070																											
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.210	- / -	- / -	3 / 0.210																											
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.421	- / -	6 / 0.421																											
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																											
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																											
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.070	1 / 0.070	3 / 0.210	6 / 0.421	- / -	11 / 0.771																											
Installation Schedule																																							
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	3	-	-	-	2	2	2	-	11								
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	3	-	-	-	6	11								
Method of Implementation (Organic): Not Installed - Installation Kits N/R																																Installation Quantity: 11							
Method of Implementation (Organic): Organic - VH-3D Cockpit Upgrade Kit																																				Installation Quantity: 22			

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 6 / VH-3D COCKPIT UPGRADE (OSIP 010-12)

Footnotes:

⁽²⁴⁾ Support in FY15 provides for CUP validation and verification as well as testing and data analysis directly related to the integration of Operational Flight Program Version-50.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0566 / Executive Helicopters Series	Modification Number / Title: 7 / VH-92A IMPROVEMENT PROGRAM (OSIP 001-20)

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>)	0.000	-	-	-	-	-	-	-	-	23.000	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	23.000	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	-	23.000	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The VH-92A, based on the commercial Sikorsky S-92A aircraft, provides safe, reliable, and timely transportation for the President, Vice President, Foreign Heads of State (HoS), and other official parties as directed by the Director of the White House Military Office (WHMO). VH-92A Improvement Program provides near and long term improvements to the fleet, focusing on documented deficiencies related to mission systems, maintainability, and incorporates pre-planned product improvements defined in the VH-92A Capability Development Document (CDD). These modifications and selected component changes are being accomplished by depot level maintenance or field retrofit. Funds will be used to manage, prepare, process and incorporate Engineering Change Proposals (ECP) and implement those changes to sustain and improve VH-92A operations. ECPs will be implemented to coincide with resources and aircraft availability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: VH-92A Milestone B review was completed 21 March 2014, the MS B Acquisition Decision Memorandum was signed 17 April 2014 and the VH-92A contract for the Engineering and Manufacturing Development (EMD) phase and priced options for production was awarded on 7 May 2014. Four Systems Demonstration Test Articles (SDTA) will be delivered during EMD and will be used for Initial Operational Test and Evaluation (IOT&E). The SDTA will be delivered to the fleet after completion of IOT&E in FY20. This OSIP is a new start in FY20 to begin improvements and modifications to the SDTA and subsequent VH-92A aircraft as they are delivered after production. The VH-92A program will have a total of 21 operational aircraft by FY23.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 7 / VH-92A IMPROVEMENT PROGRAM (OSIP 001-20)					
Models of Systems Affected: VH-92A				Modification Type: SAFETY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: VH-92A IMPROVEMENT PROGRAM (OSIP 001-20)													
A Kits													
Non-Recurring													
1.1.1) Installation Kits N/R - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.649	Continuing	Continuing	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.649	Continuing	Continuing	
B Kits													
Non-Recurring													
2.1.1) Installation Equipment N/R - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.433	Continuing	Continuing	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.433	Continuing	Continuing	
Subtotal: VH-92A IMPROVEMENT PROGRAM (OSIP 001-20)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.082	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.082	Continuing	Continuing	
Support (All Modification Items)													
3.1) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	Continuing	Continuing	
3.2) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.400	Continuing	Continuing	
3.3) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.518	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.918	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	-	23.000	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0566 / Executive Helicopters Series			Modification Number / Title: 7 / VH-92A IMPROVEMENT PROGRAM (OSIP 001-20)	
Modification Item 1 of 1: VH-92A IMPROVEMENT PROGRAM (OSIP 001-20)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series					Modification Number / Title: 8 / Inactive OSIPs			
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>	204.423	-	-	-	-	-	-	-	-	-	-	204.423
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	204.423	-	-	-	-	-	-	-	-	-	-	204.423
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	204.423	-	-	-	-	-	-	-	-	-	-	204.423
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: VH-3D Lift Improvement Program (LIP) OSIP 011-06 completed in FY 2012 and has been moved to In-Active OSIPs.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0566 / Executive Helicopters Series				Modification Number / Title: 8 / Inactive OSIPs					
Models of Systems Affected: VH-3D / VH-60N			Modification Type: SAFETY					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Inactive OSIPs													
A Kits													
Non-Recurring													
1.2.1) Inactive OSIPs - Organic	- / 204.423	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 204.423	
Subtotal: Non-Recurring	- / 204.423	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 204.423	
Subtotal: Inactive OSIPs	- / 204.423	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 204.423	
Subtotal: Procurement, All Modification Items	- / 204.423	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 204.423	
Support (All Modification Items)													
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	204.423	-	-	-	-	-	-	-	-	-	-	204.423	

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0566 / Executive Helicopters Series			Modification Number / Title: 8 / Inactive OSIPs	
Modification Item 1 of 1: Inactive OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install						Installation Quantity: 0	

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0567 / Special Project Acft					
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>	386.531	17.059	23.865	23.702	14.198	37.900	17.229	8.477	8.718	8.888	-	508.667
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	386.531	17.059	23.865	23.702	14.198	37.900	17.229	8.477	8.718	8.888	-	508.667
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	386.531	17.059	23.865	23.702	14.198	37.900	17.229	8.477	8.718	8.888	-	508.667
<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>	-	-	-	-	-	-	-	-	-	-	-	-
 Description: The Special Projects program modifies and/or replaces obsolete special mission equipment and integrates Quick Reaction Capability (QRC) on P-3 and P-8 aircraft. Procurements vary in each fiscal year and include common Navy systems for increased capability, reduced operator workload and common logistics, as well as procurement of special mission equipment as directed by the Chief of Naval Operations. Active Primary Aircraft Authorized inventory is 4 with additional 2 Backup Aircraft Authorization aircraft in the Special Mission inventory.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0567 / Special Project Acft			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / Intelligence Sensors (OSIP 019-97) (Operational Improvement)	P-3a		- / 312.176	- / 17.059	- / 18.811	- / 23.702	- / 14.198	- / 37.900
2 / CLASSIFIED (Operational Improvement)	P-3a		- / 0.000	- / -	- / 5.054	- / -	- / -	- / -
3 / Inactive OSIPS (Operational Improvement)	P-3a		- / 74.355	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 386.531	- / 17.059	- / 23.865	- / 23.702	- / 14.198	- / 37.900
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / Intelligence Sensors (OSIP 019-97) (Operational Improvement)	P-3a		- / 17.229	- / 8.477	- / 8.718	- / 8.888	- / -	- / 429.258
2 / CLASSIFIED (Operational Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 5.054
3 / Inactive OSIPS (Operational Improvement)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 74.355
Total Gross/Weapon System Cost			- / 17.229	- / 8.477	- / 8.718	- / 8.888	- / -	- / 508.667
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

OCO:

FY 2016 OCO increase is for Airborne Collection and Measurement Equipment (ACME) and Airborne Electro Optic Targeting (AEOT)

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0567 / Special Project Acft						Modification Number / Title: 1 / Intelligence Sensors (OSIP 019-97)		
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>)	312.176	17.059	18.811	23.702	14.198	37.900	17.229	8.477	8.718	8.888	-	429.258
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	312.176	17.059	18.811	23.702	14.198	37.900	17.229	8.477	8.718	8.888	-	429.258
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	312.176	17.059	18.811	23.702	14.198	37.900	17.229	8.477	8.718	8.888	-	429.258
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION: This modification replaces obsolescence intelligence collection equipment in six P-3 Special Project aircraft by procurement of special mission equipment as directed by the Chief of Naval Operations. FY2014 commences integration of Quick Reaction Capability capabilities on the P-8 aircraft. FY2014 OCO Special Projects Aircraft C2 Exploit, Analyze and Control and Special Collection Equipment efforts procure and rapidly integrate the systems required to conduct COCOM directed missions in support of OCOs. Specific details can be provided in a classified forum. FY2014 OCO Special Projects Aircraft P496 (V5.0) OCO funds will replace electronic equipment necessary to continue current P496 OCO (SECDEF Classified memo of 03 July 2007 and HQ USCENTCOM MACDILL AFB FL requirement endorsement via GENSER message DTG 101745Z OCT 07 apply). Specific Operational details can be provide in a classified forum. FY2015 OCO Special Projects Aircraft Collection and Exploitation Equipment effort procures and rapidly integrates Collection and Exploitation Equipment (CEE) required to conduct COCOM directed missions in support of OCOs. Specific operational details can be provided in a classified forum. FY2016 OCO Special Project Aircraft Airborne Collection and Measurement Equipment (ACME) effort procures and rapidly integrates ACME required to conduct COCOM directed missions in support of Overseas Contingency Operations (OCO). Specific operational details can be provided in a classified forum. FY 2016 OCO Special Project Aircraft Airborne electro Optic Targeting (AEOT) effort procures and rapidly integrates AEOT required to conduct COCOM directed missions in support of Overseas Contingency Operations (OCO). Specific operational details can be provided in a classified forum. DEVELOPMENT STATUS/MAJOR MILESTONES: Not Applicable												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0567 / Special Project Acft					Modification Number / Title: 1 / Intelligence Sensors (OSIP 019-97)				
Models of Systems Affected: P-3B/C			Modification Type: Operational Improvement					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Intelligence Sensors (OSIP 019-97)												
B Kits												
Recurring												
1.1.1) Archived - Organic ⁽¹⁾	- / 85.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 85.080
1.1.2) Mission Unique Equipment - NonOrganic ⁽²⁾	- / 94.411	- / 7.163	- / 12.145	- / 11.484	- / 11.746	- / 23.230	- / 6.351	- / 1.893	- / 0.900	- / 1.079	- / -	- / 147.172
Subtotal: Recurring	- / 179.491	- / 7.163	- / 12.145	- / 11.484	- / 11.746	- / 23.230	- / 6.351	- / 1.893	- / 0.900	- / 1.079	- / -	- / 232.252
Non-Recurring												
1.2.1) Collection and Exploitation Equipment - OCO - NonOrganic	- / -	- / -	- / 1.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.840
1.2.2) Install Equipment N/R - Organic	- / 67.011	- / 3.711	- / 1.822	- / 1.572	- / 0.299	- / 1.871	- / 1.348	- / 0.820	- / 1.351	- / 1.351	- / -	- / 79.285
1.2.3) BFT/Collection Equipment (Install Equip N/R) - Organic	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.120
Subtotal: Non-Recurring	- / 67.131	- / 3.711	- / 3.662	- / 1.572	- / 0.299	- / 1.871	- / 1.348	- / 0.820	- / 1.351	- / 1.351	- / -	- / 81.245
Subtotal: Intelligence Sensors (OSIP 019-97)	- / 246.622	- / 10.874	- / 15.807	- / 13.056	- / 12.045	- / 25.101	- / 7.699	- / 2.713	- / 2.251	- / 2.430	- / -	- / 313.497
Subtotal: Procurement, All Modification Items	- / 246.622	- / 10.874	- / 15.807	- / 13.056	- / 12.045	- / 25.101	- / 7.699	- / 2.713	- / 2.251	- / 2.430	- / -	- / 313.497
Support (All Modification Items)												
2.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2) Data ⁽³⁾	- / 4.624	- / 0.494	- / 0.300	- / 1.009	- / -	- / 1.009	- / 0.950	- / 0.200	- / 0.100	- / 0.100	- / -	- / 7.777
2.3) Training Equipment	- / 10.584	- / -	- / 0.200	- / 0.280	- / -	- / 0.280	- / 0.260	- / 0.200	- / 0.100	- / 0.100	- / -	- / 11.724
2.4) BFT/Collection Equipment (Training Equip)	- / 0.181	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.181
2.5) Support Equipment	- / 0.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.430
2.6) ILS	- / 3.447	- / 0.350	- / 0.330	- / 0.673	- / 0.025	- / 0.698	- / 0.900	- / 0.400	- / 0.500	- / 0.500	- / -	- / 7.125
2.7) Other Support ⁽⁴⁾	- / 42.153	- / 3.751	- / 1.474	- / 4.714	- / 0.260	- / 4.974	- / 4.420	- / 3.614	- / 5.067	- / 5.058	- / -	- / 70.511
2.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 61.419	- / 4.595	- / 2.304	- / 6.676	- / 0.285	- / 6.961	- / 6.530	- / 4.414	- / 5.767	- / 5.758	- / -	- / 97.748
Installation												
Modification Item 1 of 1: Intelligence Sensors (OSIP 019-97)	- / 4.135	- / 1.590	- / 0.700	- / 3.970	- / 1.868	- / 5.838	- / 3.000	- / 1.350	- / 0.700	- / 0.700	- / -	- / 18.013
Subtotal: Installation	- / 4.135	- / 1.590	- / 0.700	- / 3.970	- / 1.868	- / 5.838	- / 3.000	- / 1.350	- / 0.700	- / 0.700	- / -	- / 18.013
Total												
Total Cost (Procurement + Support + Installation)	312.176	17.059	18.811	23.702	14.198	37.900	17.229	8.477	8.718	8.888	-	429.258

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0567 / Special Project Acft										Modification Number / Title: 1 / Intelligence Sensors (OSIP 019-97)																
Modification Item 1 of 1: Intelligence Sensors (OSIP 019-97)																															
Manufacturer Information																															
Manufacturer Name: TBD - Operational Improvement ⁽⁵⁾												Manufacturer Location: TBD																			
Administrative Leadtime (in Months): 4												Production Leadtime (in Months): 8																			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020																								
Delivery Dates	Sep 2014	Sep 2015	Sep 2016	Sep 2017	Sep 2018	Sep 2019	Sep 2020																								
Installation Information																															
Method of Implementation: Navy Field Mod Team:: Installation Name: Operational Improvement																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	1 / 4.135	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.135																			
FY 2014	- / -	- / 1.590	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.590																			
FY 2015	- / -	- / -	- / 0.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.700																			
FY 2016	- / -	- / -	- / -	- / 3.970	- / 1.868	- / 5.838	- / -	- / -	- / -	- / -	- / -	- / 5.838																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000	- / -	- / -	- / -	- / -	- / 3.000																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.350	- / -	- / -	- / -	- / 1.350																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.700	- / -	- / -	- / 0.700																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.700	- / -	- / 0.700																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	1 / 4.135	- / 1.590	- / 0.700	- / 3.970	- / 1.868	- / 5.838	- / 3.000	- / 1.350	- / 0.700	- / 0.700	- / -	1 / 18.013																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Footnotes:																															
⁽¹⁾ Installation equipment includes both Mission Unique and Improved Communication Capabilities to be installed concurrently.																															
⁽²⁾ P-3A In/Out for Total Prior Years should be blank, set to 1 as a workaround.																															
⁽³⁾ Data, Training Equipment, ILS and Other Support requirements are aligned to support First Article qualification testing in FY-16.																															
⁽⁴⁾ Other Support - Cost Increase in FY16 is due to first article testing.																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0567 / Special Project Acft	Modification Number / Title: 1 / Intelligence Sensors (OSIP 019-97)

⁽⁵⁾ FY16 Installation Cost Increase is due to additional SPA capabilities / Kits procured in FY14.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0567 / Special Project Acft					Modification Number / Title: 2 / CLASSIFIED			

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>)	0.000	-	5.054	-	-	-	-	-	-	-	-	5.054
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	5.054	-	-	-	-	-	-	-	-	5.054
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	5.054	-	-	-	-	-	-	-	-	5.054
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

OSIP #007-15 was transferred to new PE #0305241N and has been submitted as a CLASSIFIED budget for FY2015. FY2016 through FY2018 has been transferred to new BLI #0595 and has been submitted as a CLASSIFIED budget.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0567 / Special Project Acft					Modification Number / Title: 2 / CLASSIFIED				
Models of Systems Affected: P-3 B/C				Modification Type: Operational Improvement					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: N/A													
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
1.1) CLASSIFIED	- / -	- / -	- / 5.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.054	
Subtotal: Support	- / 0.000	- / -	- / 5.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.054	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	5.054	-	-	-	-	-	-	-	-	5.054	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0567 / Special Project Acft			Modification Number / Title: 2 / CLASSIFIED		
Modification Item 1 of 1: N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation					Installation Quantity: 0		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0567 / Special Project Acft					Modification Number / Title: 3 / Inactive OSIPS			
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>	74.355	-	-	-	-	-	-	-	-	-	-	74.355
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	74.355	-	-	-	-	-	-	-	-	-	-	74.355
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	74.355	-	-	-	-	-	-	-	-	-	-	74.355
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0567 / Special Project Acft					Modification Number / Title: 3 / Inactive OSIPS				
Models of Systems Affected: P-3B/C				Modification Type: Operational Improvement					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: N/A													
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
3.1) Inactive OSIPS	- / 74.355	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 74.355	
Subtotal: Support	- / 74.355	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 74.355	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	74.355	-	-	-	-	-	-	-	-	-	-	74.355	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0567 / Special Project Acft			Modification Number / Title: 3 / Inactive OSIPS		
Modification Item 1 of 1: N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation					Installation Quantity: 0		

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0569 / T-45 Series					
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>)	553.901	93.086	90.052	105.439	-	105.439	119.010	151.592	170.037	173.435	784.163	2,240.715
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	553.901	93.086	90.052	105.439	-	105.439	119.010	151.592	170.037	173.435	784.163	2,240.715
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	553.901	93.086	90.052	105.439	-	105.439	119.010	151.592	170.037	173.435	784.163	2,240.715
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to T-45A/C aircraft. Current FY 2015 inventory is 199 Aircraft. The T-45 Goshawk is a tandem-seat, carrier capable derivative of the existing British Aerospace Hawk aircraft powered by a single Rolls Royce Adour engine. It serves as the aircraft component of the T45TS integrated jet pilot training system which replaces the three decade old TA-4 and T-2 technology. The overall goal of the modifications budgeted in FY 2016 and out is to correct discrepancies and deficiencies discovered after delivery of the aircraft and to commence upgrades to the aircraft cockpit and navigation systems. T-45 aircraft and simulators are facing critical avionics obsolescence and Diminishing Manufacturing Source (DMSMS) issues. Operational, Safety and Improvement Program (OSIP)] (008-95) Corrections Of Deficiencies was established to resolve safety and reliability issues, improve required mission capabilities, and increase service life of aircraft components. OSIP (003-03) Engine Surge was established to resolve engine surge critical safety issues. OSIP (017-04) Avionics Obsolescence was established to convert the analog T-45As to the digital T-45C configuration in the Required Avionics Modernization Program (RAMP) and resolve avionics obsolescence/DMSMS and safety related avionics issues. OSIP (002-06) Synthetic Radar was established because the T-2/T-39 divestiture schedule (T-2 divested in 2008 and T-39 in 2015) and the training command requirement to continue Undergraduate Military Flight Officer training. OSIP (022-14) Service Life Extension Program (SLEP) funds correction of deficiencies discovered in the Service Life Assessment Program (SLAP) which identified risk areas that must be addressed in order to extend the aircraft service life. OSIP (006-16) Required Avionics Sustainment Program (RASP) will modify the aircraft with the Automatic Dependent Surveillance-Broadcast Out (ADS-B Out) Capability in the T-45 Training System to comply with the January 1, 2020 Federal Aviation Administration National Airspace Systems Mandate. This OSIP is a new start in FY 2016. The designed service life of the aircraft is 14,400 hours with the average remaining service life of inventory aircraft estimated at 8,900 hours.												

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft		P-1 Line Item Number / Title: 0569 / T-45 Series
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0569 / T-45 Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / T-45TS Corrections of Deficiencies (OSIP 008-95) (Safety, Reliability, Increased Service Life, Improved Mission Capabilities)	P-3a		- / 221.054	- / 33.271	- / 26.851	- / 24.145	- / -	- / 24.145
2 / Engine Surge (OSIP 003-03) (PS Safety)	P-3a		- / 24.072	- / 14.047	- / 13.159	- / 15.230	- / -	- / 15.230
3 / Avionics Obsolescence (OSIP 017-04) (PS Safety)	P-3a		- / 215.446	- / 26.162	- / 23.793	- / 22.185	- / -	- / 22.185
4 / Synthetic Radar (OSIP 002-06) (PS Safety)	P-3a		- / 66.643	- / 0.897	- / -	- / -	- / -	- / -
5 / Service Life Extension Program (SLEP) (022-14) (Safety, Reliability, Increased Service Life, Improved Mission Capabilities)	P-3a		- / 0.000	- / 18.709	- / 26.249	- / 30.606	- / -	- / 30.606
6 / Required Avionics Sustainment Program (RASP) (006-16) (Safety, Reliability, Increased Service Life, Improved Mission Capabilities)	P-3a		- / 0.000	- / -	- / -	- / 13.273	- / -	- / 13.273
7 / Inactive OSIPs ()	P-3a		- / 26.686	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 553.901	- / 93.086	- / 90.052	- / 105.439	- / -	- / 105.439
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / T-45TS Corrections of Deficiencies (OSIP 008-95) (Safety, Reliability, Increased Service Life, Improved Mission Capabilities)	P-3a		- / 25.639	- / 24.821	- / 29.544	- / 32.347	- / 195.971	- / 613.643
2 / Engine Surge (OSIP 003-03) (PS Safety)	P-3a		- / 10.882	- / 13.583	- / 18.394	- / 22.314	- / 146.699	- / 278.380
3 / Avionics Obsolescence (OSIP 017-04) (PS Safety)	P-3a		- / 27.285	- / 30.837	- / 17.547	- / 9.897	- / 34.859	- / 408.011
4 / Synthetic Radar (OSIP 002-06) (PS Safety)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 67.540
5 / Service Life Extension Program (SLEP) (022-14) (Safety, Reliability, Increased Service Life, Improved Mission Capabilities)	P-3a		- / 27.930	- / 42.358	- / 38.560	- / 53.411	- / 358.139	- / 595.962
6 / Required Avionics Sustainment Program (RASP) (006-16) (Safety, Reliability, Increased Service Life, Improved Mission Capabilities)	P-3a		- / 27.274	- / 39.993	- / 65.992	- / 55.466	- / 48.495	- / 250.493
7 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 26.686
Total Gross/Weapon System Cost			- / 119.010	- / 151.592	- / 170.037	- / 173.435	- / 784.163	- / 2,240.715
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: The FY 2016 funding request was reduced by \$1.614 million to account for the availability of prior year execution balances. In the DON16 budget submit, Non-Recurring Engineering for SLEP modifications will incorporate changes to improve structural details to increase aircraft service life to 21,600 flight hours at 150% Fatigue Life Expended which enables Chief of Naval Air Training pilot training requirements to be safely met until 2035. SLEP tasks through FY 2013 are covered under OSIP 08-95. SLEP tasks beginning in FY 2014 and out are covered under OSIP 22-14.								

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)

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>)	221.054	33.271	26.851	24.145	-	24.145	25.639	24.821	29.544	32.347	195.971	613.643
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	221.054	33.271	26.851	24.145	-	24.145	25.639	24.821	29.544	32.347	195.971	613.643
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	221.054	33.271	26.851	24.145	-	24.145	25.639	24.821	29.544	32.347	195.971	613.643
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This OSIP funds correction of deficiencies discovered during test and evaluation or operational use to the entire airframe, its components and sub-assemblies, including related Support Equipment (SE), all of which vary in complexity and cost of Non-Recurring Engineering, procurement and installation. The correction of deficiencies Engineering Change Proposals (ECPs) include, but are not limited to: AIRFRAME ECPs - divided into two categories; Structural and Systems. STRUCTURAL ECPs: The structural portion of this OSIP provides for several structural ECPs to correct safety of flight related issues and deficiencies in meeting airframe original design life of 14,400 Flight Hours. ECPs for Wing Leading Edge panels, Wing centerline joint, Flap Center Hinge Arm, Canopy frame, Canopy Frame Longerons, Wing tip, Gas Turbine Starter bracket, Horizontal Stabilizers, Frame 24 Crossbeam Lugs and Side Skin, Frame 7 Upper Cross Tie, Wing Leading Edge, Frame 29 Lower Flange, Uplock Beam Forward Attach, Slat Track Rib 5 Downstop Bolt, Rib 2 T-Clip, Frame 28/32 Boundary/Vertical Fin, Frame 33 Structure, Inlet Close-Out Fuel and Tank Ceiling Stiffener, Airframe Engine Mount, Frame 21 Structure, Main Landing Gear (MLG) Bay Tilted & Fasteners, MLG Side Stay Support, Longitudinal Systems Viscous, Frame 20 Lower Longerons/Sidebrace, Frame 12 Vertical Splice, Frame 1 Structures and Ballast provisions, Nose Landing Gear Trunnion Beam, Slat Actuator Fitting Angle, Structure Life Improvement, Speed Brake and Backup Structure, Engine Mount Link Option, Stabilizer Back-Up Structures, Fuselage/Frame 10 Door, and Fin Bracket Lever Box Assembly, Over Center Locking Mechanism, Arrestor Beam Back-up Structure, Wing Lower Aux Spar Doubler, Frame 16 Lateral Link, Frame 17/18 structures and Fuselage Sideskin Fasteners. SYSTEMS ECPs: Modifications to the airframe, other than structural deficiencies, are also required to ensure safety of flight, aero-performance and maintainability to enable satisfactory Pilot Training Requirements levels. This Airframe OSIP affects several airframe components and their sub-assemblies including: forward, center and aft fuselage components, Landing Gear, Nose Wheel Steering, arresting hook, tail cone, wing, horizontal and vertical control surfaces (Aileron Rudder), flaps, canopy/windscreen, Aircrew Systems, Ejection system, including lanyard retention collar, ejection control handle, sequencer, barostatic release unit, seat pan, head box and associated components, hydraulic system, and hyd system quick disconnects, oxygen system to include oxygen monitor, concentrator, and ancillary components, electrical system, fuel system, throttle, instrumentation systems, environmental controls, communications, navigation, emergency systems, and associated Support Equipment (SE) to include Peculiar Support Equipment (PSE), nosewheel steering tester, hydraulic test stand, cabin pressure test set, Easily Manipulated Mechanical Arm, frame 33 tail plane fitting tool, and landing gear (dummy gear). ENGINE/POWER AND PROPULSION: Modifications under this category include modifications to the Engine, Gas Turbine Starter, and Electrical System which will increase the reliability, maintainability and safety of these systems. Engine modifications include Engine Mounts, Fuel Pumps, Combustion Chamber, Compressors, Nozzle Guide Vanes, Drive Systems, Oil System, Air Systems, Turbines, Fuel Distribution and Control and modifications to address engine surge/compressor stall. Gas Turbine Starter modifications include starting system, air turbine starter, and air producer. Electrical modifications include generator/distribution/wiring modifications. Other Support and Non-Recurring Engineering costs in FY 2016 and beyond are to fund Government labor to perform engineering, test, logistics and financial management tasks in order to execute modifications associated with this OSIP. This additional support will be performed in accordance with the FMR and NAVAIR Policy.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY 2016 and out provides funds for STRUCTURAL ECPs, SYSTEMS ECPs, and ENGINE/PROPULSION & POWER ECPs.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series					Modification Number / Title: 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)				
Models of Systems Affected: T-45TS				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capabilities				Related RDT&E PEs: 0702207N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 2: Installation Kits													
A Kits													
Recurring													
1.1.1) Airframe Structural - NonOrganic ⁽¹⁾	823 / 16.113	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	823 / 16.113	
1.1.2) Canopy Redesign - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 2.255	14 / 2.255	
1.1.3) Wingtip Replacement - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.590	- / -	- / -	- / -	- / -	2 / 2.590	
1.1.4) Sub 14.4K FLE Deficiencies - NonOrganic ⁽²⁾	- / -	- / -	2 / 0.260	- / -	- / -	- / -	3 / 0.446	12 / 1.816	24 / 3.700	24 / 3.767	134 / 22.277	199 / 32.266	
1.1.5) Airframe Structural "O&I" level Install - Organic	692 / 13.548	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	692 / 13.548	
1.1.6) Main Landing Gear (LSP) - NonOrganic ⁽³⁾	- / -	- / -	- / -	8 / 0.169	- / -	8 / 0.169	16 / 0.346	20 / 0.440	20 / 0.448	20 / 0.452	60 / 1.402	144 / 3.257	
1.1.7) Airframe Systems "O & I" Level Install - Organic	122 / 2.188	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	122 / 2.188	
1.1.8) Main Landing Gear HY-TUF Kits - NonOrganic	- / -	8 / 11.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 11.700	
1.1.9) Hookshank LSP - Organic	12 / 0.024	24 / 0.049	60 / 0.125	60 / 0.127	- / -	60 / 0.127	43 / 0.093	- / -	- / -	- / -	- / -	199 / 0.418	
1.1.10) Hookshank new vendor (M54) - Organic	20 / 1.600	20 / 1.880	20 / 1.664	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 5.144	
1.1.11) Nose Wheel Steering System - NonOrganic	- / -	- / -	- / -	15 / 0.796	- / -	15 / 0.796	30 / 1.623	30 / 1.654	30 / 1.684	30 / 1.715	64 / 3.728	199 / 11.200	
1.1.12) Hydraulic System - Organic ⁽⁴⁾	- / -	2 / 0.071	35 / 0.536	40 / 0.625	- / -	40 / 0.625	40 / 0.636	40 / 0.649	42 / 0.694	- / -	- / -	199 / 3.211	
1.1.13) NACES Retrofit Upgrade - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.311	96 / 2.173	96 / 2.213	192 / 4.544	398 / 9.241	
1.1.14) Archived ECPs - NonOrganic	890 / 66.138	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	890 / 66.138	
Subtotal: Recurring	- / 99.611	- / 13.700	- / 2.585	- / 1.717	- / -	- / 1.717	- / 5.734	- / 4.870	- / 8.699	- / 8.147	- / 34.206	- / 179.269	
Non-Recurring													
1.2.1) NON-RECURRING COSTS - Organic ⁽⁵⁾	- / 23.763	- / 2.620	- / 6.310	- / 4.650	- / -	- / 4.650	- / 2.503	- / 4.238	- / 3.570	- / 3.278	- / 20.000	- / 70.932	
Subtotal: Non-Recurring	- / 23.763	- / 2.620	- / 6.310	- / 4.650	- / -	- / 4.650	- / 2.503	- / 4.238	- / 3.570	- / 3.278	- / 20.000	- / 70.932	
Subtotal: Installation Kits	2,559 / 123.374	54 / 16.320	117 / 8.895	123 / 6.367	- / -	123 / 6.367	134 / 8.237	116 / 9.108	212 / 12.269	170 / 11.425	464 / 54.206	3,949 / 250.201	
Modification Item 2 of 2: Installation Equipment													
B Kits													
Recurring													
2.1.1) Naces Sequencer EMI - Organic	- / -	100 / 0.010	100 / 0.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	200 / 0.020	
2.1.2) OBOGS CRU-123 - Organic ⁽⁶⁾	- / -	- / -	- / -	200 / 3.000	- / -	200 / 3.000	16 / 0.250	- / -	- / -	- / -	- / -	216 / 3.250	
2.1.3) NACES Propellent - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.036	96 / 0.253	288 / 0.786	398 / 1.075	
2.1.4) Archived B Kits - Organic	27 / 6.653	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 6.653	
Subtotal: Recurring	- / 6.653	- / 0.010	- / 0.010	- / 3.000	- / -	- / 3.000	- / 0.250	- / -	- / 0.036	- / 0.253	- / 0.786	- / 10.998	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)				
Models of Systems Affected: T-45TS				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capabilities				Related RDT&E PEs: 0702207N				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Non-Recurring												
2.2.1) INSTALL EQUIPMENT N/R - Organic	- / 4.061	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.061
Subtotal: Non-Recurring	- / 4.061	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.061
Subtotal: Installation Equipment	27 / 10.714	100 / 0.010	100 / 0.010	200 / 3.000	- / -	200 / 3.000	16 / 0.250	- / -	14 / 0.036	96 / 0.253	288 / 0.786	841 / 15.059
Subtotal: Procurement, All Modification Items	- / 134.088	- / 16.330	- / 8.905	- / 9.367	- / -	- / 9.367	- / 8.487	- / 9.108	- / 12.305	- / 11.678	- / 54.992	- / 265.260
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.809	- / 0.035	- / 0.035	- / 0.035	- / -	- / 0.035	- / 0.036	- / 0.037	- / 0.038	- / 0.038	- / 0.422	- / 1.485
3.3) Training Equipment	- / 7.054	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.054
3.4) Support Equipment ⁽⁷⁾	- / 1.430	- / 0.050	- / 0.050	- / 0.051	- / -	- / 0.051	- / 0.052	- / 0.053	- / 0.054	- / 0.055	- / 0.602	- / 2.397
3.5) ILS	- / -	- / 0.236	- / 0.241	- / 0.245	- / -	- / 0.245	- / 0.250	- / 0.255	- / 0.255	- / 0.260	- / 1.658	- / 3.400
3.6) Other Support ⁽⁸⁾	- / 48.521	- / 12.587	- / 12.724	- / 11.583	- / -	- / 11.583	- / 11.958	- / 12.824	- / 11.592	- / 10.714	- / 60.030	- / 192.533
Subtotal: Support	- / 57.814	- / 12.908	- / 13.050	- / 11.914	- / -	- / 11.914	- / 12.296	- / 13.169	- / 11.939	- / 11.067	- / 62.712	- / 206.869
Installation												
Modification Item 1 of 2: Installation Kits	- / 29.152	- / 4.033	- / 4.896	- / 2.864	- / -	- / 2.864	- / 4.856	- / 2.544	- / 5.300	- / 9.442	- / 73.684	- / 136.771
Modification Item 2 of 2: Installation Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.160	- / 4.583	- / 4.743
Subtotal: Installation	- / 29.152	- / 4.033	- / 4.896	- / 2.864	- / -	- / 2.864	- / 4.856	- / 2.544	- / 5.300	- / 9.602	- / 78.267	- / 141.514
Total												
Total Cost (Procurement + Support + Installation)	221.054	33.271	26.851	24.145	-	24.145	25.639	24.821	29.544	32.347	195.971	613.643

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0569 / T-45 Series										Modification Number / Title: 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)											
Modification Item 1 of 2: Installation Kits																															
Manufacturer Information																															
Manufacturer Name: Various ⁽⁹⁾															Manufacturer Location: Various																
Administrative Leadtime (in Months): 0															Production Leadtime (in Months): 0																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: CONTRACT FIELD MODIFICATION TEAM:: Installation Name: T-45TS CORR OF DEFICIENCIES (OSIP 008-95)																															
Installation Cost		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								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		1,684 / 29.152		29 / 4.033		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1,713 / 33.185							
FY 2014		- / -		- / -		8 / 4.896		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 4.896							
FY 2015		- / -		- / -		- / -		1 / 1.167		- / -		1 / 1.167		1 / 1.189		- / -		- / -		- / -		- / -		2 / 2.356							
FY 2016		- / -		- / -		- / -		8 / 1.697		- / -		8 / 1.697		15 / 0.207		- / -		- / -		- / -		- / -		23 / 1.904							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		16 / 3.460		35 / 1.442		- / -		- / -		- / -		51 / 4.902							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		20 / 1.102		56 / 4.178		- / -		- / -		76 / 5.280							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		20 / 1.122		150 / 8.300		- / -		170 / 9.422							
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		20 / 1.142		150 / 8.447		170 / 9.589							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		464 / 65.237		464 / 65.237							
Total		1,684 / 29.152		29 / 4.033		8 / 4.896		9 / 2.864		- / -		9 / 2.864		32 / 4.856		55 / 2.544		76 / 5.300		170 / 9.442		614 / 73.684		2,677 / 136.771							
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1,684	7	7	7	8	2	2	2	2	-	-	-	9	5	4	12	11	12	9	18	16	13	13	23	27	37	37	47	49	614	2,677
Out	1,684	7	7	7	8	2	2	2	2	-	-	-	9	5	4	12	11	12	9	18	16	13	13	23	27	37	37	47	49	614	2,677
Method of Implementation (Organic): Organic - Airframe Structural "O&I" level Install																															
																									Installation Quantity: 692						
Method of Implementation (Organic): Organic - Airframe Systems "O & I" Level Install																															
																									Installation Quantity: 122						

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)
Modification Item 1 of 2: Installation Kits		
Installation Information		
Method of Implementation (Organic): Organic - Hookshank LSP		Installation Quantity: 199
Method of Implementation (Organic): Organic - Hookshank new vendor (M54)		Installation Quantity: 60
Method of Implementation (Organic): Organic - Hydraulic System		Installation Quantity: 199

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0569 / T-45 Series										Modification Number / Title: 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)											
Modification Item 2 of 2: Installation Equipment																															
Manufacturer Information																															
Manufacturer Name: Various ⁽¹⁰⁾														Manufacturer Location: Various																	
Administrative Leadtime (in Months): 0														Production Leadtime (in Months): 0																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: CONTRACT FIELD MODIFICATION TEAM:: Installation Name: T-45TS CORR OF DEFICIENCIES (OSIP 008-95)																															
Installation Cost		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							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.160		- / -		14 / 0.160					
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		96 / 1.116		96 / 1.116					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		288 / 3.467		288 / 3.467					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.160		384 / 4.583		398 / 4.743					
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	5	384	398
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	5	384	398
Method of Implementation (Organic): Not Installed - Naces Sequencer EMI																															
																										Installation Quantity: 200					
Method of Implementation (Organic): Organic - OBOGS CRU-123																															
																										Installation Quantity: 216					

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 1 / T-45TS Corrections of Deficiencies (OSIP 008-95)
Modification Item 2 of 2: Installation Equipment		
Installation Information		
Method of Implementation (Organic): Not Installed - Archived B Kits		Installation Quantity: 27
Footnotes: (1) 1.1.1 The increases and decreases in unit cost for the Airframe Structural and Systems (CE 1.1.1 thru 1.1.20) are due to the different types of Structural/Systems ECPs with different unit costs. Please refer to the Description for OSIP 0895 for the list of different ECPs. (2) 1.1.5 The delayed procurement and installation of kits from previous President's budget submit is due to the department's decision to delay incorporation of Sub 14.4k kits to align with SLEP. NRE effort initial findings indicate A-kit cost reduction, install cost increase of val/ver kits and qty requirement increase to 199 aircraft. (3) 1.1.7 Main Landing Gear Laser Shock Peening (LSP) A-kits delayed due to miscellaneous adjustments. Initial NRE effort indicates A kit unit costs will be less than originally estimated however, total kits required increased due to fleet requirements. The delayed procurement and installation of kits from previous President's budget submit is due to the department's decision to delay incorporation of MLG A kits. (4) 1.1.13 The rephased (cost and schedule) procurement and installation of kits from previous President's budget submit is due to the department receipt of updated information from the Fleet Support Team and Chief of Naval Air Training. (5) 1.2.1 Fluctuations in non recurring costs are due to differing levels of complexity with kits being developed. (6) 2.1.2 FY 2016 and FY 2017 plus up from DON16 Issue Sheet to procure kits. (7) 3.4 FY 2016 costs reflect CE 1.1.5, Sub 14.4 support equipment requirements. (8) 3.6 Fluctuations are due to differing levels of complexity with kits being developed requiring varying levels of support throughout the FYDP. (9) Items that make up this group have various MFG as well as various ALT and PLT. (10) Items that make up this group have various MFG as well as various ALT and PLT.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series						Modification Number / Title: 2 / Engine Surge (OSIP 003-03)		
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>)	24.072	14.047	13.159	15.230	-	15.230	10.882	13.583	18.394	22.314	146.699	278.380
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	24.072	14.047	13.159	15.230	-	15.230	10.882	13.583	18.394	22.314	146.699	278.380
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24.072	14.047	13.159	15.230	-	15.230	10.882	13.583	18.394	22.314	146.699	278.380
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Engine Surge: In FY 2003, OSIP 003-03 was established to address and fund the T-45 safety-of-flight risk known as surge stall. T-45 engine surge is a critical safety concern for a single engine aircraft with over 800 surge events documented, including over 70 surges requiring engine shutdown and restart emergency action. All elements of the T-45 training system (wings, fuselage, engine, etc) contribute to the incidences of surge stall. The F405 engine continues to experience surge stall events and the funding is for the recurring and non-recurring activities set forth in this OSIP that are on-going through the FYDP, and the out-years. Kits include modifications to air vehicle, engine, and fuel control system. Non-Recurring Engineering efforts to modify air vehicle and engine components will occur in FY 2015 to support kit procurements in FY 2016 and out. Starting in FY 2014, Office of the Chief of Naval Operations Issue 50104 provided additional funds to support T-45 Engine Inlet Modification efforts to mitigate surge/stall risk to an acceptable level. T-45 Engine Inlet Modification Non-Recurring Engineering will continue in FY 2015-FY 2016 to support val/ver kit procurements beginning in FY 2016. Naval Air Systems Command/Airforces will not accept engine stall risk without Program Objective Memorandum 14 mitigation efforts. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Funding is provided to correct T-45 F405 engine surge. Non-Recurring Engineering efforts to modify the F405-RR-401 engine will continue in FY 2015 and out to support kit procurement in FY 2016 and out.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series					Modification Number / Title: 2 / Engine Surge (OSIP 003-03)				
Models of Systems Affected: T-45TS			Modification Type: PS Safety						Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 2: Installation Kits													
A Kits													
Recurring													
1.1.1) Airframe Kits - NonOrganic ⁽¹¹⁾	18 / 1.372	- / -	50 / 0.572	150 / 1.378	- / -	150 / 1.378	150 / 1.404	150 / 1.430	100 / 0.840	- / -	- / -	618 / 6.996	
1.1.2) AF Inlet Mod Kits - NonOrganic ⁽¹²⁾	- / -	- / -	- / -	4 / 1.862	- / -	4 / 1.862	3 / 0.442	12 / 1.801	24 / 3.669	24 / 3.736	136 / 21.748	203 / 33.258	
1.1.3) Engine Kits O & I Level - Organic ⁽¹³⁾	- / -	41 / 0.176	61 / 0.387	61 / 0.395	- / -	61 / 0.395	61 / 0.402	61 / 0.410	20 / 0.224	20 / 0.228	80 / 0.952	405 / 3.174	
1.1.4) Fuel System Kits O & I - Organic ⁽¹⁴⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.040	- / -	168 / 3.360	170 / 3.400	
Subtotal: Recurring	- / 1.372	- / 0.176	- / 0.959	- / 3.635	- / -	- / 3.635	- / 2.248	- / 3.641	- / 4.773	- / 3.964	- / 26.060	- / 46.828	
Non-Recurring													
1.2.1) Non-Recurring Engineering - Organic	- / 12.049	- / 8.300	- / 4.215	- / 3.292	- / -	- / 3.292	- / 1.296	- / 2.443	- / 2.200	- / 1.788	- / 0.720	- / 36.303	
Subtotal: Non-Recurring	- / 12.049	- / 8.300	- / 4.215	- / 3.292	- / -	- / 3.292	- / 1.296	- / 2.443	- / 2.200	- / 1.788	- / 0.720	- / 36.303	
Subtotal: Installation Kits	18 / 13.421	41 / 8.476	111 / 5.174	215 / 6.927	- / -	215 / 6.927	214 / 3.544	223 / 6.084	146 / 6.973	44 / 5.752	384 / 26.780	1,396 / 83.131	
Modification Item 2 of 2: Install Equipment													
B Kits													
Recurring													
2.1.1) Install Equipment - Organic	- / -	- / 0.200	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.202	- / 0.202	- / 0.618	- / 2.022	
Subtotal: Recurring	- / 0.000	- / 0.200	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.202	- / 0.202	- / 0.618	- / 2.022	
Non-Recurring													
2.2.1) INSTALL EQUIPMENT N/R - Organic ⁽¹⁵⁾	- / -	- / 0.200	- / 0.200	- / 0.950	- / -	- / 0.950	- / 0.965	- / 0.980	- / 0.998	- / 1.014	- / 8.818	- / 14.125	
Subtotal: Non-Recurring	- / 0.000	- / 0.200	- / 0.200	- / 0.950	- / -	- / 0.950	- / 0.965	- / 0.980	- / 0.998	- / 1.014	- / 8.818	- / 14.125	
Subtotal: Install Equipment	- / -	- / 0.400	- / 0.400	- / 1.150	- / -	- / 1.150	- / 1.165	- / 1.180	- / 1.200	- / 1.216	- / 9.436	- / 16.147	
Subtotal: Procurement, All Modification Items	- / 13.421	- / 8.876	- / 5.574	- / 8.077	- / -	- / 8.077	- / 4.709	- / 7.264	- / 8.173	- / 6.968	- / 36.216	- / 99.278	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data ⁽¹⁶⁾	- / 0.070	- / 0.200	- / 0.150	- / 1.275	- / -	- / 1.275	- / 1.909	- / 2.457	- / 2.468	- / 2.020	- / 13.307	- / 23.856	
3.3) Training Equipment	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.025	
3.4) Support Equipment N/R ⁽¹⁷⁾	- / 0.700	- / 1.500	- / 3.400	- / 1.464	- / -	- / 1.464	- / 0.158	- / 0.158	- / 0.158	- / 0.161	- / 1.323	- / 9.022	
3.5) ILS	- / 0.010	- / -	- / 0.455	- / 0.463	- / -	- / 0.463	- / 0.471	- / 0.479	- / 0.487	- / 0.496	- / 3.134	- / 5.995	
3.6) Other Support ⁽¹⁸⁾	- / 9.846	- / 3.471	- / 3.268	- / 3.315	- / -	- / 3.315	- / 1.523	- / 1.529	- / 1.319	- / 1.336	- / 13.599	- / 39.206	
3.7) Interim Contractor Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 0.500	
Subtotal: Support	- / 10.651	- / 5.171	- / 7.273	- / 6.517	- / -	- / 6.517	- / 4.061	- / 4.623	- / 4.432	- / 4.013	- / 31.863	- / 78.604	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 2 / Engine Surge (OSIP 003-03)				
Models of Systems Affected: T-45TS				Modification Type: PS Safety				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Installation												
Modification Item 1 of 2: Installation Kits	- / 0.000	- / -	- / 0.312	- / 0.636	- / -	- / 0.636	- / 2.112	- / 1.696	- / 5.789	- / 11.333	- / 78.620	- / 100.498
Subtotal: Installation	- / 0.000	- / -	- / 0.312	- / 0.636	- / -	- / 0.636	- / 2.112	- / 1.696	- / 5.789	- / 11.333	- / 78.620	- / 100.498
Total												
Total Cost (Procurement + Support + Installation)	24.072	14.047	13.159	15.230	-	15.230	10.882	13.583	18.394	22.314	146.699	278.380

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0569 / T-45 Series										Modification Number / Title: 2 / Engine Surge (OSIP 003-03)											
Modification Item 1 of 2: Installation Kits																															
Manufacturer Information																															
Manufacturer Name: TBD - Airframe Kits														Manufacturer Location: TBD																	
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 1																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates						Mar 2015				Oct 2015				Oct 2016				Oct 2017				Oct 2018									
Delivery Dates						Apr 2015				Nov 2015				Nov 2016				Nov 2017				Nov 2018									
Manufacturer Name: TBD- AF Inlet Mod Kits ⁽¹⁹⁾														Manufacturer Location: TBD																	
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 11																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates										Feb 2016				May 2017				Nov 2017				Nov 2018				Nov 2019					
Delivery Dates										Jan 2017				Apr 2018				Oct 2018				Oct 2019				Oct 2020					
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: Airframe Kits																															
Installation Cost		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							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		1 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.000					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		50 / 0.312		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		50 / 0.312					
FY 2016		- / -		- / -		- / -		150 / 0.636		- / -		150 / 0.636		- / -		- / -		- / -		- / -		- / -		- / -		150 / 0.636					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		150 / 0.324		- / -		- / -		- / -		- / -		- / -		150 / 0.324					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		150 / 0.330		- / -		- / -		- / -		- / -		150 / 0.330					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		100 / 0.224		- / -		- / -		- / -		100 / 0.224					
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		1 / 0.000		- / -		50 / 0.312		150 / 0.636		- / -		150 / 0.636		150 / 0.324		150 / 0.330		100 / 0.224		- / -		- / -		- / -		601 / 1.826					
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	-	-	-	-	-	25	25	37	37	38	38	37	37	38	38	37	37	38	38	25	25	25	25	-	-	-	-	-	601
Out	1	-	-	-	-	-	-	25	25	37	37	38	38	37	37	38	38	37	37	38	38	25	25	25	25	-	-	-	-	-	601

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 2 / Engine Surge (OSIP 003-03)

Modification Item 1 of 2: Installation Kits

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: AF Inlet Mod Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.788	- / -	- / -	- / -	- / -	4 / 1.788
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.366	- / -	- / -	- / -	3 / 1.366
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 5.565	- / -	- / -	12 / 5.565
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 11.333	- / -	24 / 11.333
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 11.500	24 / 11.500
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	136 / 67.120	136 / 67.120
Total	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.788	3 / 1.366	12 / 5.565	24 / 11.333	160 / 78.620	203 / 98.672

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	3	-	3	3	3	3	6	6	6	6	160	203	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	3	-	3	3	3	3	6	6	6	166	203	

Method of Implementation (Organic): Organic - Engine Kits O & I Level	Installation Quantity: 405

Method of Implementation (Organic): Organic - Fuel System Kits O & I	Installation Quantity: 170

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0569 / T-45 Series			Modification Number / Title: 2 / Engine Surge (OSIP 003-03)	
Modification Item 2 of 2: Install Equipment							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		
Footnotes: (11) 1.1.1 Of the 18 Hot Section Reliability Improvement Program (HSRIP) kits procured in prior years, 17 will not be installed unless funding is approved for HSRIP. 2. Airframe Kits total quantity reduced due to cancellation of fuel indication improvement (FY 2015 reduced by 50 units, FY 2016, FY 2017 and FY 2018 reduced by 75 units each year). (12) 1.1.2 FY 2017 - 3 kits pulled forward, total quantity remains the same (13) 1.1.4 FY 2014 funds procurement of 41 Dashpot Acceleration Switch Modification (DAS Mod) kits at \$0.176M; FY 2015 funds procurement of 41 DAS Mod kits at \$0.182M and 20 Correct Rotation System kits at \$0.212M - unit cost fluctuates due to multiple parts associated with Engine kits. FY 2018 Cost and Total cost increased as a result of delay in kits buys for DAS Mod and Correct Rotation System. Quantity and Cost of FY 2018 O&I Level - Organic kits increased to account for delayed kit buys. (14) 1.1.5 Addition of 2 fuel system upgrade val/ver kits in FY 2019. Recurring kits start in FY 2021. (15) 2.2.1 FY 2016 and out increase due to funding Diminishing Manufacturing Sources and Material Shortages initiatives (16) 3.2 Increase in Data support from FY 2015 through FY 2018 reflects Navy decision to fund the POM14 issue sheet to implement Airframe Inlet modifications to mitigate the engine surge/stall safety issue. This increase will fund efforts to update all T-45 publications to incorporate Airframe Inlet modifications. (17) 3.4 Navy decision funded the POM14 issue sheet to implement Airframe Inlet modifications to mitigate the surge/stall safety issue. Decrease from PB15 reflects updated pricing. Increase in Support Equipment N/R from FY 2014 (\$1.5M) to FY 2015 (\$3.4M) continues procurement for Support Equipment N/R which began in FY 2014. (18) 3.6 FY 2016 increase due to increased support requirements while getting inlet recurring kits and installs awarded. Other support will include modification planning and integrating schedule. Once awarded, surge dissipates. In FY 2018, once contract is in place and recurring installs are starting, Government will need to increase support. FY 2020 growth is due to increased throughput of installs. (19) The install unit costs between FY 2015 and FY 2016-FY 2019 fluctuates due to multiple part numbers being installed within FYDP.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series					Modification Number / Title: 3 / Avionics Obsolescence (OSIP 017-04)			

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>)	215.446	26.162	23.793	22.185	-	22.185	27.285	30.837	17.547	9.897	34.859	408.011
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	215.446	26.162	23.793	22.185	-	22.185	27.285	30.837	17.547	9.897	34.859	408.011
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	215.446	26.162	23.793	22.185	-	22.185	27.285	30.837	17.547	9.897	34.859	408.011

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

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

Description:

The T-45TS is facing critical obsolescence/performance issues. Components of various avionics boxes will not be supportable as a result of Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues that result in part obsolescence or supplier mortality.

The Required Avionics Modernization Program (RAMP) is the Analog to Digital conversion of the T-45A aircraft. RAMP is intended to resolve obsolescence issues with such items as the Global Inertial Navigation Assembly (GINA) (Field Programmable Gate Array and Processor), Display Processor (DP) (Diode), Airborne Data Recorder (ADR) (Line in Buffer Amplifier), Multi-Function Display (MFD), Signal Data Computer (SDC), Azimuth Computer, and various other avionics computers.

The RAMP effort itself consists of a Glass Cockpit upgrade which includes two (2) Multi-Function Color Displays (MFCD) per cockpit, a Mission Display Processor (MDP), Stability Augmentation Data Sensor (SADS), Replacement recorder (ASDC), Pilot Display Unit (PDU), Fuel Flow Indicator (FFI), associated cockpit controls and a 1553 digital data bus; integrating them with the existing Heads Up Display, the ADR, and a separately procured GINA.

As a continued effort to address sustainment, obsolescence and performance issues, the Digital Data Set (DDS) is being introduced to the T-45 by replacing the Mission Data Loader, Airborne Video Cassette Recorder, and Aircraft Data Recorders (ADR, SDC, ASDC) on each aircraft. The DDS, which includes the Digital Acquisition Unit (DAU), the Control Panel (CP), and associated wiring, will be installed on all T-45C aircraft. DDS Increment III adds wireless download capability, which consists of an antenna and circuit card assemblies in the aircraft and associated download stations which will enable the implementation of the Military Flight Operational Quality Assurance (MFOQA) program.

AVIONICS/GROUND BASED TRAINING SYSTEMS: Modifications to the Avionics will be required to update the Mission Display Processor, Pilot Display Unit and Heads-Up Display, Global Positioning System (GPS) Inertial Navigation Assembly (GINA) and those avionic components associated with the affected aircraft systems. The following Avionics ECPs include: Avionics Corrections of Deficiencies, Almanac Loading System, communication systems, navigation systems, including Radar Altimeter, inverter, and associated SE.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY 2014 provided funds for MFCD procurement kits and FY 2015 and out provides funds for DDS procurement kits.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 3 / Avionics Obsolescence (OSIP 017-04)					
Models of Systems Affected: T-45TS A/C				Modification Type: PS Safety				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Avionics Obsolescence (OSIP 017-04)													
A Kits													
Recurring													
1.1.1) RAMP KITS - NonOrganic ⁽²⁰⁾	70 / 53.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 53.320	
1.1.2) Obsolescence Kits - NonOrganic	415 / 10.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	415 / 10.006	
1.1.3) DDS (CSMU/CP/DAU) - NonOrganic ⁽²¹⁾	86 / 0.688	21 / 0.189	31 / 0.258	32 / 0.288	- / -	32 / 0.288	31 / 0.285	- / -	- / -	- / -	- / -	201 / 1.708	
1.1.4) Archive - Organic	- / 9.217	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.217	
Subtotal: Recurring	- / 73.231	- / 0.189	- / 0.258	- / 0.288	- / -	- / 0.288	- / 0.285	- / -	- / -	- / -	- / -	- / 74.251	
Non-Recurring													
1.2.1) NR Engineering - Organic	- / 16.636	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.636	
1.2.2) Operational Flight Trainer (OFT) ECP - Organic ⁽²²⁾	- / -	- / 0.600	- / -	- / -	- / -	- / -	- / 0.270	- / 0.260	- / 0.249	- / -	- / -	- / 1.379	
Subtotal: Non-Recurring	- / 16.636	- / 0.600	- / -	- / -	- / -	- / -	- / 0.270	- / 0.260	- / 0.249	- / -	- / -	- / 18.015	
B Kits													
Recurring													
2.1.1) MFCD ECP-277 - Organic ⁽²³⁾	552 / 18.806	150 / 6.833	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	702 / 25.639	
2.1.2) DDS (CSMU/CP/DAU) ECP-296JR1 - Organic ⁽²⁴⁾	86 / 7.740	21 / 3.313	31 / 4.890	32 / 4.864	- / -	32 / 4.864	31 / 4.309	- / -	- / -	- / -	- / -	201 / 25.116	
2.1.3) DDS (MDTU) - Organic	- / -	- / -	240 / 0.137	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	240 / 0.137	
2.1.4) DDS (WIRELESS) - NonOrganic ⁽²⁵⁾	- / -	- / -	- / -	5 / 0.250	- / -	5 / 0.250	130 / 6.588	130 / 6.760	120 / 7.440	26 / 1.693	- / -	411 / 22.731	
2.1.5) Subsystems ECP - Organic ⁽²⁶⁾	60 / 1.260	- / -	- / -	40 / 2.427	- / -	40 / 2.427	60 / 3.711	100 / 6.310	- / -	- / -	- / -	260 / 13.708	
2.1.6) DMSMS ECPs - Organic ⁽²⁷⁾	- / -	- / -	- / -	46 / 0.992	- / -	46 / 0.992	110 / 2.331	244 / 5.148	- / -	- / -	- / -	400 / 8.471	
2.1.7) Radar Altimeter - Organic	- / -	- / -	- / -	20 / 0.220	- / -	20 / 0.220	60 / 0.648	60 / 0.660	60 / 0.701	- / -	- / -	200 / 2.229	
2.1.8) Archived B Kits - Organic	544 / 26.328	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	544 / 26.328	
Subtotal: Recurring	- / 54.134	- / 10.146	- / 5.027	- / 8.753	- / -	- / 8.753	- / 17.587	- / 18.878	- / 8.141	- / 1.693	- / -	- / 124.359	
Non-Recurring													
2.2.1) DDS (MDTU) - Organic	- / 0.077	- / 0.980	- / 0.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.707	
2.2.2) DDS (WIRELESS) - Organic	- / -	- / -	- / 1.300	- / 3.000	- / -	- / 3.000	- / 1.000	- / -	- / -	- / -	- / -	- / 5.300	
2.2.3) MDP Software - Organic ⁽²⁸⁾	- / -	- / 1.358	- / 4.100	- / 2.100	- / -	- / 2.100	- / -	- / -	- / -	- / -	- / -	- / 7.558	
2.2.4) JMPS - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / 3.000	- / 0.321	- / -	- / -	- / 4.321	
2.2.5) Subsystem ECPs - Organic ⁽²⁹⁾	- / 1.144	- / 1.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.184	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0569 / T-45 Series					Modification Number / Title: 3 / Avionics Obsolescence (OSIP 017-04)		
Models of Systems Affected: T-45TS A/C					Modification Type: PS Safety					Related RDT&E PEs:		
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.2.6) DMSMS ECPs - Organic	- / -	- / 0.402	- / 1.700	- / 1.700	- / -	- / 1.700	- / 1.734	- / 1.768	- / 1.804	- / 1.840	- / -	- / 10.948
2.2.7) MFCD - Organic	- / 0.115	- / 0.130	- / 0.132	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.377
2.2.8) DDS (DAU) - Organic	- / -	- / 1.577	- / 0.624	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.201
2.2.9) Radar Altimeter - Organic	- / -	- / -	- / 0.600	- / 0.600	- / -	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / 1.200
<i>Subtotal: Non-Recurring</i>	- / 1.336	- / 5.487	- / 9.106	- / 7.400	- / -	- / 7.400	- / 3.734	- / 4.768	- / 2.125	- / 1.840	- / -	- / 35.796
<i>Subtotal: Avionics Obsolescence (OSIP 017-04)</i>	1,813 / 145.337	192 / 16.422	302 / 14.391	175 / 16.441	- / -	175 / 16.441	422 / 21.876	534 / 23.906	180 / 10.515	26 / 3.533	- / -	3,644 / 252.421
<i>Subtotal: Procurement, All Modification Items</i>	- / 145.337	- / 16.422	- / 14.391	- / 16.441	- / -	- / 16.441	- / 21.876	- / 23.906	- / 10.515	- / 3.533	- / -	- / 252.421
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	6 / 30.355	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 30.355
3.4) Support Equipment N/R	- / 0.072	- / 0.050	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / 0.050	- / 0.300	- / 0.722
3.5) ILS ⁽³⁰⁾	- / 11.403	- / 1.611	- / 2.496	- / 2.502	- / -	- / 2.502	- / 2.592	- / 2.640	- / 2.688	- / 2.492	- / 11.376	- / 39.800
3.6) Other Support ⁽³¹⁾	- / 15.397	- / 5.109	- / 3.482	- / 3.060	- / -	- / 3.060	- / 2.506	- / 2.498	- / 2.461	- / 2.264	- / 22.829	- / 59.606
<i>Subtotal: Support</i>	- / 57.227	- / 6.770	- / 6.028	- / 5.612	- / -	- / 5.612	- / 5.148	- / 5.188	- / 5.199	- / 4.806	- / 34.505	- / 130.483
Installation												
<i>Modification Item 1 of 1: Avionics Obsolescence (OSIP 017-04)</i>	- / 12.882	- / 2.970	- / 3.374	- / 0.132	- / -	- / 0.132	- / 0.261	- / 1.743	- / 1.833	- / 1.558	- / 0.354	- / 25.107
<i>Subtotal: Installation</i>	- / 12.882	- / 2.970	- / 3.374	- / 0.132	- / -	- / 0.132	- / 0.261	- / 1.743	- / 1.833	- / 1.558	- / 0.354	- / 25.107
Total												
Total Cost (Procurement + Support + Installation)	215.446	26.162	23.793	22.185	-	22.185	27.285	30.837	17.547	9.897	34.859	408.011

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 3 / Avionics Obsolescence (OSIP 017-04)				
Modification Item 1 of 1: Avionics Obsolescence (OSIP 017-04)												
Manufacturer Information												
Manufacturer Name: Boeing - RAMP Kits							Manufacturer Location: St Louis, MO					
Administrative Leadtime (in Months): 12							Production Leadtime (in Months): 24					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates												
Delivery Dates												
Manufacturer Name: Various - Obsolescence Kits ⁽³²⁾							Manufacturer Location: Various					
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 0					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates												
Delivery Dates												
Manufacturer Name: Physical Optics CORP - DDS (CSMU/CP/DAU) ⁽³³⁾							Manufacturer Location: Torrance, CA					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 12					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates	Aug 2014	Aug 2015	Aug 2016	Aug 2017								
Delivery Dates	Aug 2015	Aug 2016	Aug 2017	Aug 2018								
Manufacturer Name: Physical Optics CORP - DDS (Wireless)							Manufacturer Location: Torrance, CA					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 12					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates			Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019					
Delivery Dates			Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020					
Installation Information												
Method of Implementation: Contractor Field Mod Team:: Installation Name: RAMP KITS												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	55 / 12.186	5 / 2.144	10 / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 16.930
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 3 / Avionics Obsolescence (OSIP 017-04)							

Modification Item 1 of 1: Avionics Obsolescence (OSIP 017-04)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: RAMP KITS

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	55 / 12.186	5 / 2.144	10 / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 16.930

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	55	2	1	1	1	2	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70
Out	55	2	1	1	1	2	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70

Method of Implementation: Contractor Depot Field Mod Team:: Installation Name: Obsolescence Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	134 / 0.680	185 / 0.684	96 / 0.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	415 / 1.730
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	134 / 0.680	185 / 0.684	96 / 0.366	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	415 / 1.730

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 3 / Avionics Obsolescence (OSIP 017-04)

Modification Item 1 of 1: Avionics Obsolescence (OSIP 017-04)

Installation Information

Method of Implementation: Contractor Depot Field Mod Team:: Installation Name: Obsolescence Kits

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	134	46	46	46	47	24	24	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415
Out	134	46	46	46	47	24	24	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415

Method of Implementation: Contractor Field Mod Team:: Installation Name: DDS (CSMU/CP/DAU)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	3 / 0.016	15 / 0.142	68 / 0.408	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	86 / 0.566
FY 2014	- / -	- / -	- / -	21 / 0.132	- / -	21 / 0.132	- / -	- / -	- / -	- / -	- / -	21 / 0.132
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.205	- / -	- / -	- / -	- / -	31 / 0.205
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.212	- / -	- / -	- / -	32 / 0.212
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.226	- / -	- / -	31 / 0.226
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 0.016	15 / 0.142	68 / 0.408	21 / 0.132	- / -	21 / 0.132	31 / 0.205	32 / 0.212	31 / 0.226	- / -	- / -	201 / 1.341

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	3	-	-	-	15	15	17	18	18	-	7	7	7	7	8	8	8	8	8	8	8	7	8	8	8	-	-	-	-	-	201
Out	3	-	-	-	15	15	17	18	18	-	7	7	7	7	8	8	8	8	8	8	8	7	8	8	8	-	-	-	-	-	201

Method of Implementation: Contractor Field Mod Team:: Installation Name: DDS (WIRELESS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 3 / Avionics Obsolescence (OSIP 017-04)

Modification Item 1 of 1: Avionics Obsolescence (OSIP 017-04)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: DDS (WIRELESS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.056	- / -	- / -	- / -	- / -	5 / 0.056
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 1.531	- / -	- / -	- / -	130 / 1.531
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	130 / 1.607	- / -	- / -	130 / 1.607
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	120 / 1.558	- / -	120 / 1.558
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 0.354	26 / 0.354
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.056	130 / 1.531	130 / 1.607	120 / 1.558	26 / 0.354	411 / 5.106

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	32	32	33	33	32	32	33	33	30	30	30	30	26	411
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	32	32	33	33	32	32	33	33	30	30	30	30	26	411

Method of Implementation (Organic): Organic - MFCD ECP-277	Installation Quantity: 702
Method of Implementation (Organic): Organic - DDS (CSMU/CP/DAU) ECP-296JR1	Installation Quantity: 201
Method of Implementation (Organic): Organic - DDS (MDTU)	Installation Quantity: 240
Method of Implementation (Organic): Organic - Subsystems ECP	Installation Quantity: 260
Method of Implementation (Organic): Organic - DMSMS ECPs	Installation Quantity: 400
Method of Implementation (Organic): Organic - Radar Altimeter	Installation Quantity: 200
Method of Implementation (Organic): Not Installed - Archived B Kits	Installation Quantity: 544

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 3 / Avionics Obsolescence (OSIP 017-04)

Footnotes:

- (20) 1.1.1 FY 2015 install costs reduced due to renegotiated contract.
- (21) 1.1.3 Kit pricing reflects pricing received from ROM. Quantities adjusted to take advantage of quantity price break.
- (22) 1.2.2 Funding amount does not remain consistent from year to year because aircraft is in sustainment. Funding profile is based on what efforts are needed to update the simulators.
- (23) 2.1.1 No buy in FY 2015, all kits bought FY 2014 and prior.
- (24) 2.1.2 Kit pricing reflects pricing received from ROM. Quantities adjusted to take advantage of quantity price break.
- (25) 2.1.4 The DDS Wireless install consists of one antenna and one circuit card assembly per aircraft and 6 download stations. Quantities moved to the right due to contracting delays.
- (26) 2.1.5 Prior year increase due to FY 2013 funds used for COMAMPS procurement. FY 2016-2018 increase in quantities based on further defined requirements.
- (27) 2.1.6 Kit quantities increased and rephased to reflect further defined requirements.
- (28) 2.2.4 Increase in FY 2015 based on receipt of Rough Order of Magnitude (ROM).
- (29) 2.2.6 Removed FY 2015 NRE due to Issue 65962.
- (30) 3.5 Increase from FY 2014 to FY 2015 is due to an increase in Level of Effort for FY 2015.
- (31) 3.6 Decrease in FY 2015 and out due to changes in manpower requirements
- (32) Manufacturers, ALT and PLT are various
- (33) Contract information updated/corrected compared to PB 15

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series						Modification Number / Title: 4 / Synthetic Radar (OSIP 002-06)		
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>)	66.643	0.897	-	-	-	-	-	-	-	-	-	67.540
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	66.643	0.897	-	-	-	-	-	-	-	-	-	67.540
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	66.643	0.897	-	-	-	-	-	-	-	-	-	67.540
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: With the T-2 and T-39 divestiture in 2008 and 2012 respectively, the training command could not complete Uniformed Military Flight Officer training. No new Type Model Series will be developed to pick up this requirement. As a result, the T-45 modified 19 aircraft to incorporate Virtual Mission Training System (VMTS) into the curriculum. The effort included two phases of integration to incorporate a commercial off the shelf synthetic radar system into the T-45. Phase I included determining the integration requirements for the air-to-air and minimal air-to-ground (A/G) synthetic radar capabilities and completing the T-45 integration effort. Phase II included determining the integration requirements for increased A/G fidelity simulation and weapons sensors simulation while also completing the Phase II integration effort. Four kits were utilized for testing and were initially delivered to Pensacola for Instructor training and syllabus evaluation. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY 2007-FY 2011 provided funding for 2 prototypes, NRE, and 3 FOT&E kits. FY 2012 provided funding for 12 procurement kits that required a 12 month lead time before delivery. FY 2013 funded the remaining Ground Stations, NRE, installation of production kits, and support for CE 3.1 - 3.6; FY 2014 funded installations of kits.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0569 / T-45 Series					Modification Number / Title: 4 / Synthetic Radar (OSIP 002-06)		
Models of Systems Affected: T-45TS					Modification Type: PS Safety					Related RDT&E PEs:		
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement												
<i>Modification Item 1 of 1: Synthetic Radar (OSIP 002-06)</i>												
A Kits												
Recurring												
1.1.1) VMTS - NonOrganic	17 / 2.608	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 2.608
<i>Subtotal: Recurring</i>	- / 2.608	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.608
Non-Recurring												
1.2.1) Non-recurring (N/R) Engineering - Organic	- / 19.766	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.766
<i>Subtotal: Non-Recurring</i>	- / 19.766	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.766
B Kits												
Recurring												
2.1.1) VMTS Equipment - Organic	17 / 7.095	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 7.095
<i>Subtotal: Recurring</i>	- / 7.095	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.095
Non-Recurring												
2.2.1) Non-recurring Engineering - Organic	- / 14.165	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.165
<i>Subtotal: Non-Recurring</i>	- / 14.165	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.165
<i>Subtotal: Synthetic Radar (OSIP 002-06)</i>	34 / 43.634	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 43.634
<i>Subtotal: Procurement, All Modification Items</i>	- / 43.634	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.634
Support (All Modification Items)												
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 1.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.871
3.3) Training Equipment	9 / 2.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.045
3.4) Support Equipment N/R	- / 15.477	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.477
3.5) ILS	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500
3.6) Other Support	- / 11.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.396
<i>Subtotal: Support</i>	- / 21.289	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.289
Installation												
<i>Modification Item 1 of 1: Synthetic Radar (OSIP 002-06)</i>	- / 1.720	- / 0.897	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.617
<i>Subtotal: Installation</i>	- / 1.720	- / 0.897	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.617
Total												
Total Cost (Procurement + Support + Installation)	66.643	0.897	-	-	-	-	-	-	-	-	-	67.540

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0569 / T-45 Series										Modification Number / Title: 4 / Synthetic Radar (OSIP 002-06)																			
Modification Item 1 of 1: Synthetic Radar (OSIP 002-06)																																							
Manufacturer Information																																							
Manufacturer Name: Boeing - VMTS															Manufacturer Location: St. Louis																								
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 12																								
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020													
Contract Dates																																							
Delivery Dates																																							
Installation Information																																							
Method of Implementation: Contractor Field Mod Team:: Installation Name: VMTS																																							
Installation Cost		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																										
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																										
Prior Years		5 / 1.720	12 / 0.897	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 2.617																										
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
Total		5 / 1.720	12 / 0.897	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 2.617																										
Installation Schedule																																							
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
In	5	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17								
Out	5	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17								
Method of Implementation (Organic): Not Installed - VMTS Equipment																														Installation Quantity: 17									

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 5 / Service Life Extension Program (SLEP) (022-14)

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>)	0.000	18.709	26.249	30.606	-	30.606	27.930	42.358	38.560	53.411	358.139	595.962
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	18.709	26.249	30.606	-	30.606	27.930	42.358	38.560	53.411	358.139	595.962
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	18.709	26.249	30.606	-	30.606	27.930	42.358	38.560	53.411	358.139	595.962
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This OSIP funds correction of deficiencies discovered in Service Life Assessment Program (SLAP) which identified risk areas that must be addressed in order to extend aircraft service life. Service Life Extension Programs (SLEP): During Full Scale Development testing of the T45 aircraft it was determined that incorporation of redesigned components applicable to the critical load paths will significantly increase the service life of the aircraft. Correcting these areas is required to achieve the safe design life associated with the program of record. Non-Recurring Engineering for SLEP modifications will incorporate changes to improve subsystem and structural details to increase aircraft service life to 21,600 flight hours at 150% Fatigue Life Expended (FLE) which enables CNATRA pilot training requirements to be safely met until 2035. The other support and Non-Recurring Engineering costs in FY-14 and beyond are to fund Government labor to perform engineering, test, logistics and financial management tasks, and to execute SLEP modifications associated with this OSIP. This support will be executed in accordance with the FMR and NAVAIR policy.

Development Status/Major Milestones: Non-Recurring Engineering for SLEP modifications will incorporate changes to improve structural details to increase aircraft service life to 21,600 flight hours at 150% FLE which enables Chief of Naval Air Training pilot training requirements to be safely met until 2035.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 5 / Service Life Extension Program (SLEP) (022-14)					
Models of Systems Affected: T-45TS				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capabilities				Related RDT&E PEs: 0702207N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Service Life Extension Program (SLEP) (022-14)													
A Kits													
Recurring													
1.1.1) Structural SLEP - NonOrganic ⁽³⁴⁾	- / -	- / -	2 / 1.365	- / -	- / -	- / -	3 / 1.409	12 / 5.741	24 / 11.694	24 / 11.907	134 / 70.413	199 / 102.529	
1.1.2) SLEP Seed Wings - NonOrganic ⁽³⁵⁾	- / -	- / -	1 / 14.000	1 / 14.252	- / -	1 / 14.252	1 / 14.504	1 / 14.756	- / -	- / -	- / -	4 / 57.512	
Subtotal: Recurring	- / 0.000	- / -	- / 15.365	- / 14.252	- / -	- / 14.252	- / 15.913	- / 20.497	- / 11.694	- / 11.907	- / 70.413	- / 160.041	
Non-Recurring													
1.2.1) Structural SLEP NRE - Organic ⁽³⁶⁾	- / -	- / 7.220	- / 8.219	- / 8.416	- / -	- / 8.416	- / 4.833	- / 4.273	- / 1.405	- / 2.237	- / 19.103	- / 55.706	
1.2.2) Seed Wings NRE - Organic ⁽³⁷⁾	- / -	- / 8.869	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.869	
Subtotal: Non-Recurring	- / 0.000	- / 16.089	- / 8.219	- / 8.416	- / -	- / 8.416	- / 4.833	- / 4.273	- / 1.405	- / 2.237	- / 19.103	- / 64.575	
Subtotal: Service Life Extension Program (SLEP) (022-14)	- / -	- / 16.089	3 / 23.584	1 / 22.668	- / -	1 / 22.668	4 / 20.746	13 / 24.770	24 / 13.099	24 / 14.144	134 / 89.516	203 / 224.616	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 16.089	- / 23.584	- / 22.668	- / -	- / 22.668	- / 20.746	- / 24.770	- / 13.099	- / 14.144	- / 89.516	- / 224.616	
Support (All Modification Items)													
2.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.2) Data	- / -	- / -	- / -	- / 0.255	- / -	- / 0.255	- / 0.260	- / 0.264	- / 0.269	- / 0.274	- / 1.750	- / 3.072	
2.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.4) Support Equipment ⁽³⁸⁾	- / -	- / -	- / 0.950	- / 3.221	- / -	- / 3.221	- / 1.905	- / 6.600	- / 3.234	- / 0.329	- / 2.099	- / 18.338	
2.5) ILS	- / -	- / -	- / 0.204	- / 0.624	- / -	- / 0.624	- / 0.636	- / 2.603	- / 2.651	- / 2.207	- / 18.726	- / 27.651	
2.6) Other Support/ETS & MSS ⁽³⁹⁾	- / -	- / 0.303	- / 0.364	- / 0.912	- / -	- / 0.912	- / 0.928	- / 0.945	- / 0.962	- / 0.980	- / 5.070	- / 10.464	
2.7) Other Support/Field Activities ⁽⁴⁰⁾	- / -	- / 1.692	- / 1.147	- / 1.350	- / -	- / 1.350	- / 1.518	- / 1.517	- / 1.490	- / 1.503	- / 15.586	- / 25.803	
2.8) Other Support/SLEP Integration Test ⁽⁴¹⁾	- / -	- / 0.625	- / -	- / -	- / -	- / -	- / -	- / 1.269	- / -	- / -	- / -	- / 1.894	
Subtotal: Support	- / 0.000	- / 2.620	- / 2.665	- / 6.362	- / -	- / 6.362	- / 5.247	- / 13.198	- / 8.606	- / 5.293	- / 43.231	- / 87.222	
Installation													
Modification Item 1 of 1: Service Life Extension Program (SLEP) (022-14)	- / 0.000	- / -	- / -	- / 1.576	- / -	- / 1.576	- / 1.937	- / 4.390	- / 16.855	- / 33.974	- / 225.392	- / 284.124	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 1.576	- / -	- / 1.576	- / 1.937	- / 4.390	- / 16.855	- / 33.974	- / 225.392	- / 284.124	
Total													

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series					Modification Number / Title: 5 / Service Life Extension Program (SLEP) (022-14)				
Models of Systems Affected: T-45TS				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capabilities					Related RDT&E PEs: 0702207N				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
	Total Cost (Procurement + Support + Installation)	0.000	18.709	26.249	30.606	-	30.606	27.930	42.358	38.560	53.411	358.139	595.962

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 5 / Service Life Extension Program (SLEP) (022-14)

Modification Item 1 of 1: Service Life Extension Program (SLEP) (022-14)

Manufacturer Information							
Manufacturer Name: Boeing - Structural SLEP and SLEP Seed Wing ⁽⁴²⁾				Manufacturer Location: St. Louis			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: SLEP Installs

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	1 / 1.576	- / -	1 / 1.576	2 / 1.937	- / -	- / -	- / -	- / -	3 / 3.513
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.337	- / -	- / -	- / -	1 / 0.337
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.053	1 / 0.343	- / -	- / -	4 / 4.396
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 16.512	1 / 0.349	- / -	13 / 16.861
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 33.625	- / -	24 / 33.625
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 34.225	24 / 34.225
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	134 / 191.167	134 / 191.167
Total	- / -	- / -	- / -	1 / 1.576	- / -	1 / 1.576	2 / 1.937	4 / 4.390	13 / 16.855	25 / 33.974	158 / 225.392	203 / 284.124

Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	1	1	2	3	3	3	4	6	6	6	7	158	203
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	1	1	2	3	3	3	4	6	6	6	7	158	203

Footnotes:

⁽³⁴⁾ 1.1.1 FY 2015 kits are for validation/verification with an increased install cost associated. Break in recurring kit buys until FY 2017 is to enable procurement lead time of Depot. The rephasing of procurement and installation of kits from previous President's budget submit is due to the department's decision to perform two (2) val/ver vs originally planned four (4) and start recurring procurements in FY 2018. Total kit qtys unchanged. The ECPs are being created as part of the SLEP 1B contract which is scheduled to award in FY 2014. When SLAP was performed, Johns Hopkins University Applied Physics Laboratory (JHU/ APL) did a business case analysis (BCA) to determine what kit quantity was needed to meet the mission. The budget had originally been built to SLEP 60 aircraft. The BCA showed with only 60 kits, the T-45

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 5 / Service Life Extension Program (SLEP) (022-14)
would not meet CNATRA's training requirement. In order to meet the requirement, the entire T-45 fleet must receive SLEP. However, with the decrease in kit costs, T-45 will be able to SLEP the fleet without any significant cost increase. (35) 1.1.2 The Pensacola aircraft usage spectrum is expected to be significantly different from Kingsville/Meridian. The stress on the wings is expected to impact fleet readiness in the near future. As part of the on-going aircraft structural integrity plan we plan to do a detailed usage survey in FY 17 when they have accumulated sufficient data to establish regular usage patterns. Until then, the program sees the need to move wing purchases to the left and plan for greater fatigue, by procuring more wings. Variance in install cost is due to complexity of kit. (36) 1.2.1 Fluctuation of NRE cost FY 2015-FY 2017 is due to SLEP NRE phase 1B program phasing based on proposal. Starting in FY 2017 and out, NRE is associated with SLEP Phase 2 recurring kits and installs. (37) 1.2.2 FY 2014 funding funds NRE for SLEP Seed Wings procured in FY 2015-FY 2018. (38) 3.4 FY 2016 increase in SLEP SE due to standing up Depot SE for Val/Ver. FY 2017, FY 2018, and FY 2019 increase is due to standing up mod line with full up SE required to support and bumping up quantities due to throughput of SLEP installs. (39) 3.6 The increase in FY 2015 and FY 2016 is to support onsite engineering services during SLEP val/ver installs. (40) 3.7 Fluctuations in FY 2016 and FY 2017 are due to increased workload and necessity while ramping up SLEP 1B and preparing for SLEP 2 to go on contract. Also, for modification scheduling of recurring installations. (41) 3.8 SLEP Integration Test is to perform the integration test events required to certify the airworthiness of the SLEP modifications. There are no anticipated events beyond FY 2018. (42) Will be installed concurrently. Various contract dates, ALT and PLT		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series					Modification Number / Title: 6 / Required Avionics Sustainment Program (RASP) (006-16)				
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>)		0.000	-	-	13.273	-	13.273	27.274	39.993	65.992	55.466	48.495	250.493
Less PY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)		0.000	-	-	13.273	-	13.273	27.274	39.993	65.992	55.466	48.495	250.493
Plus CY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)		0.000	-	-	13.273	-	13.273	27.274	39.993	65.992	55.466	48.495	250.493
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)													
Initial Spares (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)		-	-	-	-	-	-	-	-	-	-	-	-
Description: OSIP 006-16 is a new start in FY 2016. The FAA has developed a plan to modernize the National Airspace System (NAS) in order to address the impact of air traffic growth in the United States. The FAA has mandated compliance with this plan by January 1, 2020. This plan, part of the FAA's NextGen Airspace, is intended to increase the air traffic capacity while at the same time improving safety and efficiency. In part, NextGen implements a process called Performance Based Navigation (PBN). In accordance with the concepts of PBN, an aircraft's navigation performance capability will be a determining factor as to whether or not it can fly within specific airspace, certain air traffic routes or instrument procedures. Also, NextGen transforms the NAS from a radar based system, with aircraft interrogation, to a satellite based system utilizing Automatic Dependent Surveillance-Broadcast (ADS-B) communication in order to transmit the aircraft's own position. In order for the T-45 to continue to have unrestricted access to the NAS through the year 2035, the T-45TS must be modified to avoid impacts to CNATRA Strike Pilot and NFO training. Required Avionics Sustainment Program (RASP) Phase I Automatic Dependent Surveillance-Broadcast (ADS-B (Out)): The first Phase of RASP will modify the T-45 with ADS-B (Out) capability, in compliance with FAA NAS mandate stipulated in DoT/FAA, 14 CFR Part 91: Automatic Dependent Surveillance-Broadcast ADS-B (Out) Performance Requirements To Support Air Traffic Control (ATC) Service Final Rule, May 28, 2010. This modification will be considered an ACAT III program and consists of the minimum required capability increase necessary for ADS-B Out, enabling 197 T-45 aircraft and 18 simulators to meet FAA NAS mandates. This includes the modification of the Global Position System/Inertial Navigation Assembly (GINA), the replacement of the APX-100 Transponder with associated data bus connectivity and control, the replacement of the Air Data Computer, the modification of the existing antennas, pilot interface, and an update to the Mission Display Processor Operational Flight Program (MDP/OPF), simulator and support equipment. FY16 provides funding in support of production and installation of the Automatic Dependent Surveillance-Broadcast Out Capability in the T-45 Training System to comply with the January 1, 2020 Federal Aviation Administration National Airspace Systems Mandate. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Begin RDTE efforts for design and integration of Required Avionics Sustainment Program (RASP) Phase I into the T-45 by providing manpower to support an ACAT III Program of Record pre-Milestone B in FY15. Activities to begin in FY 2015 include contract efforts to support the FY2015 award of the Engineering Manufacturing Development (EMD) contract; the development, replacement, and integration of the transponder (with associated control panel, personality module, and data bus connectivity), and the Air Data Computer (ADC); and the integration of these components with the modified Global Position System/Inertial Navigation. These actions support Milestone B 1st quarter FY 2017 and Milestone C 2nd Quarter FY 2018.													

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 6 / Required Avionics Sustainment Program (RASP) (006-16)					
Models of Systems Affected: T45TS				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capabilities				Related RDT&E PEs: 0603208N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Required Avionics Sustainment Program (RASP) (006-16)													
A Kits													
Recurring													
1.1.1) Transponder - NonOrganic ⁽⁴³⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.327	83 / 1.360	84 / 1.379	7 / 0.115	194 / 3.181	
1.1.2) GPS - NonOrganic ⁽⁴⁴⁾	- / -	- / -	- / -	7 / 0.182	- / -	7 / 0.182	- / -	20 / 0.522	83 / 2.170	84 / 2.200	7 / 0.184	201 / 5.258	
1.1.3) Antennas - NonOrganic ⁽⁴⁵⁾	- / -	- / -	- / -	3 / 0.009	- / -	3 / 0.009	- / -	20 / 0.060	83 / 0.250	84 / 0.254	7 / 0.021	197 / 0.594	
1.1.4) Air Data Computer - NonOrganic ⁽⁴⁶⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.161	83 / 0.668	84 / 0.677	7 / 0.057	194 / 1.563	
1.1.5) GBTS - Organic ⁽⁴⁷⁾	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.003	9 / 0.009	- / -	- / -	- / -	12 / 0.012	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.191	- / -	- / 0.191	- / 0.003	- / 1.079	- / 4.448	- / 4.510	- / 0.377	- / 10.608	
Non-Recurring													
1.2.1) A kit N/R - NonOrganic ⁽⁴⁸⁾	- / -	- / -	- / -	- / 0.700	- / -	- / 0.700	- / 3.200	- / 3.703	- / 2.745	- / -	- / -	- / 10.348	
1.2.2) GBTS A Kit N/R - NonOrganic ⁽⁴⁹⁾	- / -	- / -	- / -	- / 0.448	- / -	- / 0.448	- / 0.693	- / 0.720	- / 0.405	- / -	- / -	- / 2.266	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 1.148	- / -	- / 1.148	- / 3.893	- / 4.423	- / 3.150	- / -	- / -	- / 12.614	
B Kits													
Recurring													
2.1.1) Transponder - Organic ⁽⁵⁰⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 3.212	83 / 13.352	84 / 13.537	7 / 1.130	194 / 31.231	
2.1.2) GPS - Organic ⁽⁵¹⁾	- / -	- / -	- / -	7 / 1.057	- / -	7 / 1.057	- / -	20 / 3.031	83 / 12.601	84 / 7.392	7 / 0.617	201 / 24.698	
2.1.3) Air Data Computer - Organic ⁽⁵²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.626	83 / 6.759	84 / 6.853	7 / 0.572	194 / 15.810	
2.1.4) GBTS - Organic ⁽⁵³⁾	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.084	9 / 0.253	- / -	- / -	- / -	12 / 0.337	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 1.057	- / -	- / 1.057	- / 0.084	- / 8.122	- / 32.712	- / 27.782	- / 2.319	- / 72.076	
Non-Recurring													
2.2.1) B Kit N/R - NonOrganic ⁽⁵⁴⁾	- / -	- / -	- / -	- / 4.169	- / -	- / 4.169	- / 9.664	- / 5.143	- / 2.113	- / -	- / -	- / 21.089	
2.2.2) GBTS B Kit N/R - NonOrganic ⁽⁵⁵⁾	- / -	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 2.363	- / 4.367	- / 1.371	- / -	- / -	- / 8.401	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 4.469	- / -	- / 4.469	- / 12.027	- / 9.510	- / 3.484	- / -	- / -	- / 29.490	
Subtotal: Required Avionics Sustainment Program (RASP) (006-16)	- / -	- / -	- / -	17 / 6.865	- / -	17 / 6.865	6 / 16.007	158 / 23.134	581 / 43.794	588 / 32.292	49 / 2.696	1,399 / 124.788	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 6.865	- / -	- / 6.865	- / 16.007	- / 23.134	- / 43.794	- / 32.292	- / 2.696	- / 124.788	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 6 / Required Avionics Sustainment Program (RASP) (006-16)				
Modification Item 1 of 1: Required Avionics Sustainment Program (RASP) (006-16)												
Manufacturer Information												
Manufacturer Name: TBD - Transponder, GPS, and Antennas ⁽⁶²⁾							Manufacturer Location: TBD					
Administrative Leadtime <i>(in Months)</i> : 1							Production Leadtime <i>(in Months)</i> : 9					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates			Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019					
Delivery Dates			Jul 2016	Jul 2017	Jul 2018	Jul 2019	Jul 2020					
Manufacturer Name: TBD - Ground Based Training Systems ⁽⁶³⁾							Manufacturer Location: TBD					
Administrative Leadtime <i>(in Months)</i> : 1							Production Leadtime <i>(in Months)</i> : 9					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates			Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019					
Delivery Dates			Jul 2016	Jul 2017	Jul 2018	Jul 2019	Jul 2020					
Installation Information												
Method of Implementation: Contractor Field Mod Team:: Installation Name: Transponder, GPS, Antennas, ADC												
Installation Cost	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.290	- / -	- / -	- / -	- / -	6 / 0.290
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.776	64 / 3.108	- / -	- / -	80 / 3.884
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 3.884	252 / 12.224	- / -	332 / 16.108
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	84 / 4.076	252 / 12.224	336 / 16.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 2.328	28 / 2.328
Total	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.290	16 / 0.776	144 / 6.992	336 / 16.300	280 / 14.552	782 / 38.910

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Exhibit P-3a, Individual Modification: PB 2016 Navy																							Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0569 / T-45 Series										Modification Number / Title: 6 / Required Avionics Sustainment Program (RASP) (006-16)											
Modification Item 1 of 1: Required Avionics Sustainment Program (RASP) (006-16)																															
Installation Information																															
Method of Implementation: Contractor Field Mod Team:: Installation Name: Transponder, GPS, Antennas, ADC																															
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	16	-	-	24	40	80	84	84	84	84	280	782
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	16	-	-	24	40	80	84	84	84	84	280	782
Method of Implementation (Organic): Organic - GBTS																															
																							Installation Quantity: 12								
Method of Implementation (Organic): Not Installed - Transponder																															
																							Installation Quantity: 194								
Method of Implementation (Organic): Not Installed - GPS																															
																							Installation Quantity: 201								
Method of Implementation (Organic): Not Installed - Air Data Computer																															
																							Installation Quantity: 194								
Method of Implementation (Organic): Not Installed - GBTS																															
																							Installation Quantity: 12								
Footnotes: (43) 1.1.1 Four assets originally shown in FY 2016 are lab assets. They were removed and will be procured with RDTE. Three test assets originally shown in FY 2017 were removed and will be procured with RDTE in FY 2016 and remain on the aircraft. (44) 1.1.2 Four lab assets and three test assets planned to be procured with RDTE funding will now be procured with APN-5 funding in FY 2016. The four lab assets will not be installed in aircraft. Three test assets moved to FY 2016 to account for long lead time. (45) 1.1.3 Four assets originally shown in FY 2016 were lab assets. They were removed because they are no longer required. Three test assets moved to FY 2016 to account for long lead time. No B-kits required because existing aircraft antennas will be used. (46) 1.1.4 Based on information collected from engineering study, Air Data Computer is included because it is required for altitude accuracy. Lab and Test units will be procured with RDT&E, 3 test units will remain on aircraft. (47) 1.1.5 Quantity reduced because Pensacola does not have a front cockpit and therefore does not require the GBTS kit. (48) 1.2.1 A kit NRE reduction in FY 2016 reflect change in scope due to the re-use of existing antennas. (49) 1.2.2 A kit NRE reduction in FY 2016 reflect the necessity for simulator modifications to occur after aircraft modification. (50) 2.1.1 Two assets originally shown in FY 2016 were lab assets. They were removed and will be procured with RDTE. 3 assets originally shown in FY 2017 were test assets and were removed and will be procured with RDTE in FY 2016 and remain on aircraft. PB16 Cost increase reflects addition of Digital Control Panel and Personality Module to the Transponder.																															

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0569 / T-45 Series	Modification Number / Title: 6 / Required Avionics Sustainment Program (RASP) (006-16)
⁽⁵¹⁾ 2.1.2 Four lab assets and three test assets planned to be procured with RDTE funding will now be procured with APN-5 funding in FY 2016. The four lab assets will not be installed in aircraft. Three test assets moved to FY 2016 to account for long lead time. Per Unit cost drop between FY19 and FY20 reflects modification of existing units vice procurement of new units. ⁽⁵²⁾ 2.1.3 No Antenna B-kits required because existing aircraft antennas will be used. Based on information collected from engineering study, Air Data Computer is added because it is required for altitude accuracy. Lab and Test units will be procured with RDT&E. 3 tests units will remain on aircraft. ⁽⁵³⁾ 2.1.4 Quantity for GBTS reduced by 6 because modifications to rear cockpit not required. ⁽⁵⁴⁾ 2.2.1 Increase in FY 2016 through FY 2019 reflect the change from RDTE to APN funding due to modification vice replacement of the GPS. ⁽⁵⁵⁾ 2.2.2 Increase in FY 2017 through FY 2019 because engineering study indicates more changes than anticipated to GBTS. ⁽⁵⁶⁾ 3.2 FY 2020 reduced because FY 2020 are installs only, therefore data requirements are reduced. ⁽⁵⁷⁾ 3.3 Cost estimate indicates training equipment will be required earlier than anticipated. FY 2017 supports test, increasing in FY 2018 and FY 2019 to support fleet training. ⁽⁵⁸⁾ 3.4 Funding added because engineering study indicates changes to GINA flightline tester and other support equipment will be required. FY 2017 supports test, increasing in FY 2018 and 2019 to support fleet. ⁽⁵⁹⁾ 3.5 Overall decrease due to fewer Mission Display Processor-Operational Flight Program (MDP-OFP) Software modifications needed with chosen architecture. Increase from FY 2016 to FY 2017 due to software changes and test for ADS-B. Increase in FY 2018 due to Correction of Deficiencies for ADS-B and preparations for fleet release. ⁽⁶⁰⁾ 3.6 Fluctuations in cost over FY 2016 thru FY 2019 are due to the variations in required labor for ESIL in FY 2016, aircraft testing in FY 2017, LRIP in FY 2018, and Full Rate Production in FY 2019. ⁽⁶¹⁾ 3.7 Fluctuations in cost over FY 2016 thru FY 2019 are due to the variations in required labor for ESIL in FY 2016, aircraft testing in FY 2017, LRIP in FY 2018, and Full Rate Production in FY 2019. ⁽⁶²⁾ Updated lead time to account for modifications to Commercial Off the Shelf items. ⁽⁶³⁾ Updated lead time to account for modifications to Commercial Off the Shelf items.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series					Modification Number / Title: 7 / Inactive OSIPs			
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>	26.686	-	-	-	-	-	-	-	-	-	-	26.686
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	26.686	-	-	-	-	-	-	-	-	-	-	26.686
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	26.686	-	-	-	-	-	-	-	-	-	-	26.686
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0569 / T-45 Series				Modification Number / Title: 7 / Inactive OSIPs					
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Inactive OSIPs													
A Kits													
Recurring													
1.1.1) Inactive OSIPs - Organic	- / 26.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.686	
Subtotal: Recurring	- / 26.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.686	
Subtotal: Inactive OSIPs	- / 26.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.686	
Subtotal: Procurement, All Modification Items	- / 26.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.686	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	26.686	-	-	-	-	-	-	-	-	-	-	26.686	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0569 / T-45 Series			Modification Number / Title: 7 / Inactive OSIPs		
Modification Item 1 of 1: Inactive OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0570 / Power Plant Changes					
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>	557.165	21.871	19.094	9.917	-	9.917	24.294	23.341	21.214	21.635	13.810	712.341
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	557.165	21.871	19.094	9.917	-	9.917	24.294	23.341	21.214	21.635	13.810	712.341
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	557.165	21.871	19.094	9.917	-	9.917	24.294	23.341	21.214	21.635	13.810	712.341
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to all in-service aircraft engines. Power Plant Changes (PPC) are required throughout the service life of each aircraft to correct flight deficiencies and improve operational readiness while reducing engine operating costs. This program finances the procurement and installation of retrofit kits for all Navy and Marine Corp aircraft engines and related propulsion hardware such as propellers, starters and transmissions . The overall goal of the modifications budgeted in FY2016 is to continue modification efforts previously initiated on the engines for the AV-8B, F/A-18C/D & E/F, EA-18G, F-16, H-60, H-46, H-53, EA-6B, T-3, T-38, T-45, P-3, P-8A, E-2C, E-2D, C-2A, C-130, UH-1Y, AH-1Z, AH-1W, JSF, CH-53 and V-22.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0570 / Power Plant Changes			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / Power Plant Changes (Approx. 80% Safety, 20% Reliability)	P-3a		- / 557.165	- / 21.871	- / 19.094	- / 9.917	- / -	- / 9.917
Total Gross/Weapon System Cost			- / 557.165	- / 21.871	- / 19.094	- / 9.917	- / -	- / 9.917
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / Power Plant Changes (Approx. 80% Safety, 20% Reliability)	P-3a		- / 24.294	- / 23.341	- / 21.214	- / 21.635	- / 13.810	- / 712.341
Total Gross/Weapon System Cost			- / 24.294	- / 23.341	- / 21.214	- / 21.635	- / 13.810	- / 712.341
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

The FY 2016 funding request was reduced by \$6.326 million to account for the availability of prior year execution balances

Funding for procurement and installation of retrofit kits for all Navy and Marine Corp aircraft engines and related propulsion hardware.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0570 / Power Plant Changes					Modification Number / Title: 1 / Power Plant Changes			
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>)	557.165	21.871	19.094	9.917	-	9.917	24.294	23.341	21.214	21.635	13.810	712.341
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	557.165	21.871	19.094	9.917	-	9.917	24.294	23.341	21.214	21.635	13.810	712.341
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	557.165	21.871	19.094	9.917	-	9.917	24.294	23.341	21.214	21.635	13.810	712.341
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This program corrects aircraft flight safety deficiencies, improves operational fleet readiness and reduces engine cost of ownership by incorporating approved power plant changes. Power plant changes are required throughout the aircraft service life as the engine ages and operationally revealed deficiencies are discovered, researched, and solutions engineered. The Component Improvement Program which is funded in Research Development Test & Evaluation, Navy develops and demonstrates engineering solutions to these deficiencies and through the Engineering Change Proposal (ECP) process, initiates Power Plant Change. The Power Plant Change program procures the necessary Power Plant Change retrofit kits, support equipment, kit installation and technical data. This program provides retrofit kits for all Navy and Marine Corp aircraft engines and propulsion related hardware such as propellers, starters, generators and transmissions. Reliability Improvements are designed to increase Mean Time Between Failure and Mean Time Between Engine Removal by 30 percent on average and are expected to generate savings /costs avoidance in excess of \$50M annually. Aircraft engines included in Power Plant Change include: F100 Engine, F-16, F402 Engine, AV/8B, F404 Engine, F/A18, F405 Engine, T-45, F414 Engine, F/A 18 E/F and EA-18G, J52 Engine, EA-6B, J85 Engine T-38 and T-2, T400 Engine AH-1W and UH-1N, AE110 7Engine V-22, T56 Engine P-3, C-2, E-2D and C130, T58 Engine, H-3 and H-46, T-64 Engine, H-53, T700 Engine H-60 and AH-1, TF34 Engine S-3, CFM56-7B Engine P8A and the F-35 starting in FY15.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0570 / Power Plant Changes					Modification Number / Title: 1 / Power Plant Changes				
Models of Systems Affected: Power Plant Changes			Modification Type: Approx. 80% Safety, 20% Reliability					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Power Plant Changes													
B Kits													
Recurring													
2.1.1) F405 T45 - NonOrganic	- / -	- / 0.236	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.236	
2.1.2) CFM 56-7B - NonOrganic ⁽¹⁾	- / -	- / 1.221	- / -	- / 0.260	- / -	- / 0.260	- / 0.829	- / 0.530	- / 0.540	- / 0.550	- / 1.510	- / 5.440	
2.1.3) F402 AV8B - NonOrganic ⁽²⁾	- / 24.496	- / 1.310	- / 1.605	- / 0.480	- / -	- / 0.480	- / 2.459	- / 2.150	- / 1.734	- / 1.768	- / 2.000	- / 38.002	
2.1.4) F404 F/A 18 - NonOrganic	- / 21.599	- / 1.305	- / 1.300	- / 1.000	- / -	- / 1.000	- / 1.020	- / 1.060	- / 1.060	- / 1.080	- / 0.800	- / 30.224	
2.1.5) F414 F/A 18 E/F - NonOrganic ⁽³⁾	- / 18.871	- / 0.116	- / 1.240	- / 0.759	- / -	- / 0.759	- / 1.024	- / 1.224	- / 1.224	- / 1.248	- / 1.000	- / 26.706	
2.1.6) T56 P3, C2, E2, C130 - NonOrganic ⁽⁴⁾	- / 57.537	- / 0.980	- / 3.212	- / 0.708	- / -	- / 0.708	- / 5.670	- / 5.350	- / 4.656	- / 4.749	- / 5.000	- / 87.862	
2.1.7) T64 H53 - NonOrganic ⁽⁵⁾	- / 32.354	- / 8.278	- / 4.411	- / 2.050	- / -	- / 2.050	- / 4.050	- / 4.050	- / 4.005	- / 4.085	- / 2.500	- / 65.783	
2.1.8) T700 H60 - NonOrganic ⁽⁶⁾	- / 45.750	- / 1.500	- / 1.408	- / 0.250	- / -	- / 0.250	- / 1.850	- / 1.560	- / 1.560	- / 1.591	- / 1.000	- / 56.469	
2.1.9) Completed ECPs from prior years - Organic	9,999 / 244.829	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9,999 / 244.829	
2.1.10) Installation Equipment N/R - NonOrganic ⁽⁷⁾	9,999 / 0.164	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9,999 / 0.164	
Subtotal: Recurring	- / 445.600	- / 14.946	- / 13.176	- / 5.507	- / -	- / 5.507	- / 16.902	- / 15.924	- / 14.779	- / 15.071	- / 13.810	- / 555.715	
Subtotal: Power Plant Changes	19,998 / 445.600	- / 14.946	- / 13.176	- / 5.507	- / -	- / 5.507	- / 16.902	- / 15.924	- / 14.779	- / 15.071	- / 13.810	19,998 / 555.715	
Subtotal: Procurement, All Modification Items	- / 445.600	- / 14.946	- / 13.176	- / 5.507	- / -	- / 5.507	- / 16.902	- / 15.924	- / 14.779	- / 15.071	- / 13.810	- / 555.715	
Support (All Modification Items)													
3.1) Data	- / 0.952	- / 0.051	- / 0.052	- / 0.053	- / -	- / 0.053	- / 0.054	- / 0.056	- / 0.056	- / 0.057	- / -	- / 1.331	
3.2) Support equipment	- / 1.041	- / 0.060	- / 0.052	- / 0.053	- / -	- / 0.053	- / 0.054	- / 0.056	- / 0.056	- / 0.057	- / -	- / 1.429	
3.3) ILS ⁽⁸⁾	- / 8.293	- / 2.300	- / 1.662	- / 0.695	- / -	- / 0.695	- / 2.114	- / 1.836	- / 1.797	- / 1.832	- / -	- / 20.529	
3.4) Support Costs Other ⁽⁹⁾	- / 59.108	- / 1.926	- / 2.043	- / 1.524	- / -	- / 1.524	- / 2.810	- / 2.956	- / 2.586	- / 2.643	- / -	- / 75.596	
3.5) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 69.394	- / 4.337	- / 3.809	- / 2.325	- / -	- / 2.325	- / 5.032	- / 4.904	- / 4.495	- / 4.589	- / -	- / 98.885	
Installation													
Modification Item 1 of 1: Power Plant Changes	- / 42.171	- / 2.588	- / 2.109	- / 2.085	- / -	- / 2.085	- / 2.360	- / 2.513	- / 1.940	- / 1.975	- / -	- / 57.741	
Subtotal: Installation	- / 42.171	- / 2.588	- / 2.109	- / 2.085	- / -	- / 2.085	- / 2.360	- / 2.513	- / 1.940	- / 1.975	- / -	- / 57.741	
Total													
Total Cost (Procurement + Support + Installation)	557.165	21.871	19.094	9.917	-	9.917	24.294	23.341	21.214	21.635	13.810	712.341	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0570 / Power Plant Changes										Modification Number / Title: 1 / Power Plant Changes											
Modification Item 1 of 1: Power Plant Changes																															
Manufacturer Information																															
Manufacturer Name: Various PPC ⁽¹⁰⁾														Manufacturer Location: Various																	
Administrative Leadtime (in Months): 6														Production Leadtime (in Months): 12																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: See Notes:: Installation Name: Power Plant Installations																															
Installation Cost		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								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		12,918 / 42.171	- / 0.500		- / -0.016		- / 0.085		- / 0.000		- / 0.085		- / 0.360		- / 0.513		- / 1.940		- / 1.975		- / -		12,918 / 47.528								
FY 2014		- / -	- / 2.088		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.088								
FY 2015		- / -	- / -		- / 2.125		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.125								
FY 2016		- / -	- / -		- / -		- / 2.000		- / -		- / 2.000		- / -		- / -		- / -		- / -		- / -		- / 2.000								
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / 2.000		- / -		- / -		- / -		- / -		- / 2.000								
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2020		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / 2.000		- / -		- / -		- / -		- / 2.000								
Total		12,918 / 42.171	- / 2.588		- / 2.109		- / 2.085		- / -		- / 2.085		- / 2.360		- / 2.513		- / 1.940		- / 1.975		- / -		12,918 / 57.741								
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	12,918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,918
Out	12,918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,918
Method of Implementation (Organic): Not Installed - Completed ECPs from prior years																															
														Installation Quantity: 9999																	
Footnotes: ⁽¹⁾ PPC support of CFM56-7B Engine of P-8A as an emergent requirement in FY14 and continuing through FYDP. Increase in FY17 is due to Issue 71127 which provided payback in FY17. Kit procurements resume in FY17 at required levels.																															

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0570 / Power Plant Changes	Modification Number / Title: 1 / Power Plant Changes
(2) Budget Issue 71127 reduced FY16 TOA with restoral in FY17. Kit purchases budgeted accordingly. (3) FY15 increase due to FY14 purchases being procured with Reclamation credits. FY17 increase due to budget issue 71127 reducing FY16 budget with restoral in FY17. (4) Fail to Feather (FTF) modification kits being purchased in FY15. Budget mark in FY16 due to Issue 71127 with restoral in FY17. (5) T64 53 executed final buy for VG Linkage in FY14. (6) T700 kit purchases in FY16 reduced due to issue 71127. Procurements resume to required levels in FY17 (7) Due to Install Costs hard-keying in PDOCS, negatives were used in the installation schedule to get correct P3A Install Costs to populate (8) ILS reduced in FY16 due to budget mark. Resumes required levels in FY17 (9) Support Cost increase from FY16 to FY17 due to planned support of the Joint Strike Fighter. (10) Admin and Production Leadtimes are averages with various contract and delivery dates		

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)

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

Line Item MDAP/MAIS Code: 560	Item MDAP/MAIS Code(s):

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>)	25.674	1.576	1.085	13.537	-	13.537	23.969	38.851	52.863	39.516	17.259	214.330
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	25.674	1.576	1.085	13.537	-	13.537	23.969	38.851	52.863	39.516	17.259	214.330
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	25.674	1.576	1.085	13.537	-	13.537	23.969	38.851	52.863	39.516	17.259	214.330

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

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

Description:

This line item funds modifications to the Joint Primary Aircraft Training System (JPATS). JPATS is a joint United States Navy (USN)/United States Air Force acquisition program designed to replace the aging primary aircraft (T-34/T-37) fleet. Principal JPATS mission is primary training for entry-level Navy/Air Force student pilots, associated instructor pilots, and primary/intermediate training for USN Naval Flight Officers. JPATS includes the T-6 Texan II which is a stepped tandem seat, commercially derived aircraft powered by a single Pratt & Whitney PT6A-68 turboprop engine. It serves as the aircraft component of the JPATS integrated primary pilot training system which replaces the T-34C primary training aircraft.

The program of record states 295 USN T-6 aircraft (includes 43 T-6A and 252 T-6B aircraft).

The overall goal of the modifications budgeted in Fiscal Year 2016 is to correct discrepancies and deficiencies discovered after delivery of the aircraft; and to maintain, where appropriate, joint configuration with Air Force aircraft. The T-6B derivative incorporates major upgrades to the aircraft cockpit, navigation system, and aircrew life support system.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:		Other Related Program Elements:		
Line Item MDAP/MAIS Code: 560		Item MDAP/MAIS Code(s):					

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)
1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04) (PS Safety)	P-3a		- / 25.674	- / 1.576	- / 1.085	- / 7.594	- / -	- / 7.594
2 / AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16) (Safety, Reliability, Increased Service Life, Improved Mission Capabilities)	P-3a		- / 0.000	- / -	- / -	- / 5.943	- / -	- / 5.943
Total Gross/Weapon System Cost			- / 25.674	- / 1.576	- / 1.085	- / 13.537	- / -	- / 13.537

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04) (PS Safety)	P-3a		- / 14.439	- / 22.200	- / 27.613	- / 24.652	- / 17.259	- / 142.092
2 / AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16) (Safety, Reliability, Increased Service Life, Improved Mission Capabilities)	P-3a		- / 9.530	- / 16.651	- / 25.250	- / 14.864	- / -	- / 72.238
Total Gross/Weapon System Cost			- / 23.969	- / 38.851	- / 52.863	- / 39.516	- / 17.259	- / 214.330

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

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

Justification:

Funding in Fiscal Year 2016 is required for correction of deficiencies and avionics upgrades FAA compliance kit procurements, and support for Joint Primary Aircraft Training System retrofits.

All prior year funds for B Kit Installs were negotiated contractually to be done at a 'depot' level maintenance; this level of effort required funding (Non-Organic).

Funding in Fiscal Year 2013 and throughout the FYDP are for B Kit installs that were negotiated contractually to be done by an 'O' level maintainer during scheduled aircraft maintenance. This level of effort required no funding (Organic). Funding is provided strictly for the retrofit of the B Kit.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)					Modification Number / Title: 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)			
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>)	25.674	1.576	1.085	7.594	-	7.594	14.439	22.200	27.613	24.652	17.259	142.092
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	25.674	1.576	1.085	7.594	-	7.594	14.439	22.200	27.613	24.652	17.259	142.092
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	25.674	1.576	1.085	7.594	-	7.594	14.439	22.200	27.613	24.652	17.259	142.092
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Corrections to deficiencies found during testing and evaluation can sometimes be incorporated into production aircraft, effective with the physical configuration audit which establishes the product baseline of the aircraft. However when this cannot be done due to time constraints, retrofit of the changes into already delivered aircraft requires funding through the Aircraft Modification Program. Additionally, deficiencies discovered during Fleet operations must be corrected. The unacceptable alternative to retrofitting would be multiple configurations in the Fleet, which creates maintenance and supply problems, and in many cases the mission capability of the aircraft would be adversely affected as well as reduced service life.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: February 1993 received Milestone (MS) 0 and MS I approval, August 1995 received MS II and Low Rate Initial Production approval, December 2001 received MS III approval, and Navy Initial Operational Capability occurred 4th Qtr Fiscal Year 2003. Funding in Fiscal Year 2016 is required for Canopy Fracturing Initiation System (CFIS) - Ballistic, Auto Ignition Relay, Landing Gear Control Handle Redesign, Safe Arm Handle, Emergency Oxygen Bottle Lanyard, non-recurring engineering, and support costs for the Joint Primary Aircraft Training System retrofits.

CURRENT ACTIVE MODIFICATIONS:

1) Avionics Obsolescence - Replace avionics components due to Diminishing Manufacturing Sources and Material Shortages (DMSMS) that result in part obsolescence and/or technical obsolescence. Modifications to the avionics will be required to upgrade the electronic flight instrument displays, Altitude and Heading Reference (AHRS) controller, and backup flight instruments and those avionic components associated with the affected aircraft systems to include associated software updates.

2) Bundle A & B - Bundle A consists of 3 efforts: 1) Space between seat/sidewall to address manual override linkage; 2) Aft lower left & right sidewall panel require removal of ejection set guide rail to access aft panel; 3) Canopy latch mounting screws. Bundle B consists of 3 efforts: 1) Clamp for mounting elevator trim; 2) Decal elevator lower surface access panel; 3) Landing/taxi bonding wire. Previously budgeted under Structural Improvements.

3) Canopy Fracturing Initiation System (CFIS) - Replace current laser CFIS with a ballistic CFIS that will improve reliability and reduce life-cycle costs. Retrofit effort includes hardware required for aircraft A-kit.

4) Onboard Oxygen Generator System (OBOGS) Low Pressure Switch (LPS) Safety modification to improve OBOGS low pressure switch. In-flight failures have caused numerous aborts.

5) Power Control Lever (PCL) - Safety related effort to install a mechanical barrier to PCL to prevent inadvertent engine shutdown (cut-off). Result of Class A safety investigation.

6) Cockpit Improvements - Safety and Human Factors modification to the cockpit to improve aircrew efficiencies and to eliminate excessive pilot workload and other dangerous situations. Modifications include rearview mirrors, improved cockpit storage, and improved night lighting, reducing excessive ambient noise.

7) Landing Gear Control Handle Redesign - Safety modification to T-6 Landing Gear Handle to reduce the risk of gear up landings. Effort includes redesign of cams and down-lock solenoid, replacing lights with Light Emitting Diodes and changing Programmable Array Logic to improve voltage thresholds.

8) Nose Landing Gear Shimmy Friction Collar - Modification to aircraft nose landing gear to mitigate excessive shimmy that has been experienced during landings and take offs.

9) Flight Management System (FMS) - Software changes have been identified to improve FMS efficiency of use, reduce aircrew workload and improve aircraft safety of flight operations. Additionally, this modification effort will incorporate Spiral 1 capabilities.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)	Modification Number / Title: 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)
10) Auto Ignition Relay - A more reliable relay is required to increase reliability of the auto-ignition system and increase the accessibility which will also lead to reduced maintenance man-hours. 11) Canopy Seal Valve - Modification to production configuration and replacement of brass solenoid and replace wiring to improve reliability, safety and cost effectiveness. 12) Emergency Oxygen Bottle Lanyard - Safety modification to increase volume of emergency oxygen. Class A safety board recommendation. 13) Landing Gear Control Handle Redesign - Safety modification to T-6 Landing Gear Handle to reduce the risk of gear up landings. Effort includes redesign of cams and down-lock solenoid, replacing lights with Light Emitting Diodes and changing Programmable Array Logic to improve voltage thresholds. 14) Onboard Oxygen Generating System (OBOGS) Concentrator (-0105 to -0106) - Upgrade -0105 model OBOGS concentrator to replace parts that are no longer available due to manufacturing obsolescence, address anomalies, and address software improvements. Product improvement also replaces slide valve that is sticking. 15) Safe Arm Handle - Product improvement modification to the ejection seat to incorporate additional safety features to pinning the seat. 16) Airframe Structural/Sub-systems - retrofit of structural and sub-system ECP's to correct safety of flight related issues and deficiencies. FUTURE MODIFICATIONS: 1) Avionics Hardware/Software Modifications (B) - (Organic) The hardware and software in the Avionics Upgrade Program (AUP) computer system to provide solutions to conditions that were noted as deficiencies during the T-6B follow on test and evaluation. 2) Avionics Hardware/Software Modifications (A) - (Organic) Upgrade the hardware and software in the AUP computer system to provide for increased speed in the Data Transfer System and provide a power caret indication (AUP Integrated Avionics Computer Upgrade Program) in the cockpit for setting engine power. 3) Safety System Compliance - Organic - Formally called Global Positioning System Receiver Upgrade. Safety of flight issue. Office of the Chief of Naval Operations (OPNAV) mandated incorporation of a system that will indicate the proximity of the T-6 aircraft to the ground. The Ground Proximity Warning System (GPWS) will reduce the potential of an inadvertent ground strike resulting in the possible loss of aircraft and crew.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)				Modification Number / Title: 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)				
Models of Systems Affected: T-6 A/B T-6 A/B				Modification Type: PS Safety				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 2: A Kits												
A Kits												
Recurring												
1.1.1) Canopy Fracturing Initiation System (CFIS) - Ballistic - Organic	- / -	- / -	- / -	163 / 0.186	- / -	163 / 0.186	98 / 0.100	28 / 0.017	6 / 0.004	- / -	- / -	295 / 0.307
1.1.2) Archived ECPs - Organic	- / 16.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.255
Subtotal: Recurring	- / 16.255	- / -	- / -	- / 0.186	- / -	- / 0.186	- / 0.100	- / 0.017	- / 0.004	- / -	- / -	- / 16.562
Non-Recurring												
1.2.1) ECP Preparation - Organic	- / 0.018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.018
1.2.2) Non-recurring Engineering - Organic	- / 1.104	- / -	- / 0.177	- / 0.050	- / -	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / 1.331
1.2.3) Tooling - Organic	- / 0.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.010
Subtotal: Non-Recurring	- / 1.132	- / -	- / 0.177	- / 0.050	- / -	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / 1.359
Subtotal: A Kits	- / 17.387	- / -	- / 0.177	163 / 0.236	- / -	163 / 0.236	98 / 0.100	28 / 0.017	6 / 0.004	- / -	- / -	295 / 17.921
Modification Item 2 of 2: INSTALLATION EQUIPMENT												
B Kits												
Recurring												
2.1.1) Power Control Lever (PCL) - Organic	148 / 1.023	129 / 0.417	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	277 / 1.440
2.1.2) Airframe Structural/Sub-systems - Organic ⁽¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	99 / 2.500	98 / 5.000	98 / 5.000	- / -	295 / 12.500
2.1.3) Auto Ignition Relay - Organic	- / -	- / -	- / -	200 / 0.229	- / -	200 / 0.229	95 / 0.100	- / -	- / -	- / -	- / -	295 / 0.329
2.1.4) Flight Management System - Organic ⁽²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	91 / 2.000	102 / 2.680	102 / 2.680	- / -	295 / 7.360
2.1.5) Avionics Obsolescence - Organic ⁽³⁾	10 / 0.037	- / -	- / -	- / -	- / -	- / -	43 / 5.976	71 / 9.977	90 / 12.576	91 / 12.819	- / -	305 / 41.385
2.1.6) Bundle A & B - Organic	295 / 0.067	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 0.067
2.1.7) Onboard Oxygen Generating System - Concentrator - Organic ⁽⁴⁾	- / -	- / -	- / -	- / -	- / -	- / -	144 / 1.952	151 / 2.080	- / -	- / -	- / -	295 / 4.032
2.1.8) Onboard Oxygen Generating System - Low Pressure Switch - Organic	14 / 0.087	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.087
2.1.9) Canopy Seal Valve - Organic ⁽⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	75 / 0.218	110 / 0.500	110 / 0.500	- / -	- / -	295 / 1.218
2.1.10) Cockpit Improvements - Organic	148 / 0.065	49 / 0.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	197 / 0.076
2.1.11) Avionics Hardware/Software Modifications (B) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	292 / 1.741	292 / 1.741
2.1.12) Avionics Hardware/Software Modifications (A) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 12.488	295 / 12.488

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)				Modification Number / Title: 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)				
Models of Systems Affected: T-6 A/B T-6 A/B				Modification Type: PS Safety				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
2.1.13) Safety System Compliance - Organic - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	291 / 3.030	291 / 3.030
2.1.14) Landing Gear Control Handle Redesign - LGCH ECP 149 - Organic	- / -	152 / 0.788	115 / 0.651	44 / 0.263	- / -	44 / 0.263	- / -	- / -	- / -	- / -	- / -	311 / 1.702
2.1.15) Safe Arm Handle - NonOrganic	- / -	- / -	- / -	184 / 2.208	- / -	184 / 2.208	151 / 1.995	- / -	- / -	- / -	- / -	335 / 4.203
2.1.16) Landing Gear Shimmy Friction Collar ECP 151 - Organic ⁽⁶⁾	- / -	167 / 0.295	26 / 0.084	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	193 / 0.379
2.1.17) Emergency Oxygen Bottle Lanyard - Organic	- / -	- / -	- / -	295 / 0.414	- / -	295 / 0.414	- / -	- / -	- / -	- / -	- / -	295 / 0.414
2.1.18) Archived ECPs - Organic	- / 3.023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.023
<i>Subtotal: Recurring</i>	- / 4.302	- / 1.511	- / 0.735	- / 3.114	- / -	- / 3.114	- / 10.241	- / 17.057	- / 20.756	- / 20.499	- / 17.259	- / 95.474
Non-Recurring												
2.2.1) Non-recurring Engineering - Organic ⁽⁷⁾	- / 0.748	- / -	- / -	- / 1.666	- / -	- / 1.666	- / 0.657	- / 0.680	- / -	- / -	- / -	- / 3.751
<i>Subtotal: Non-Recurring</i>	- / 0.748	- / -	- / -	- / 1.666	- / -	- / 1.666	- / 0.657	- / 0.680	- / -	- / -	- / -	- / 3.751
<i>Subtotal: INSTALLATION EQUIPMENT</i>	615 / 5.050	497 / 1.511	141 / 0.735	723 / 4.780	- / -	723 / 4.780	508 / 10.898	522 / 17.737	400 / 20.756	291 / 20.499	878 / 17.259	4,575 / 99.225
<i>Subtotal: Procurement, All Modification Items</i>	- / 22.437	- / 1.511	- / 0.912	- / 5.016	- / -	- / 5.016	- / 10.998	- / 17.754	- / 20.760	- / 20.499	- / 17.259	- / 117.146
Support (All Modification Items)												
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) DATA - Publications	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.025
3.3) Training Equipment	58 / 0.217	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	58 / 0.217
3.4) Support Equipment	- / 0.047	- / -	- / -	11 / 0.073	- / -	11 / 0.073	- / -	- / -	- / -	- / -	- / -	11 / 0.120
3.5) ILS	- / 0.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.011
3.6) Other Support ⁽⁸⁾	- / 1.043	- / 0.065	- / 0.173	- / 2.165	- / -	- / 2.165	- / 1.212	- / 2.578	- / 6.853	- / 4.153	- / -	- / 18.242
3.7) DAWDF Realignment	- / 1.894	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.894
<i>Subtotal: Support</i>	- / 3.237	- / 0.065	- / 0.173	- / 2.238	- / -	- / 2.238	- / 1.212	- / 2.578	- / 6.853	- / 4.153	- / -	- / 20.509
Installation												
<i>Modification Item 2 of 2: INSTALLATION EQUIPMENT</i>	- / 0.000	- / -	- / -	- / 0.340	- / -	- / 0.340	- / 2.229	- / 1.868	- / -	- / -	- / -	- / 4.437
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 0.340	- / -	- / 0.340	- / 2.229	- / 1.868	- / -	- / -	- / -	- / 4.437
Total												
Total Cost (Procurement + Support + Installation)	25.674	1.576	1.085	7.594	-	7.594	14.439	22.200	27.613	24.652	17.259	142.092

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)			Modification Number / Title: 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)	
Modification Item 1 of 2: A Kits							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - Canopy Fracturing Initiation System (CFIS) - Ballistic					Installation Quantity: 295		

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)				Modification Number / Title: 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)																							
Modification Item 2 of 2: INSTALLATION EQUIPMENT																															
Manufacturer Information																															
Manufacturer Name: Beechcraft Defense Corp							Manufacturer Location: Wichita, Kansas																								
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 10																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates			Nov 2015	Nov 2016																											
Delivery Dates			Sep 2016	Sep 2017																											
Installation Information																															
Method of Implementation: [none specified]:: Installation Name: Safe Arm Handle																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	40 / 0.340	- / -	40 / 0.340	144 / 2.229	- / -	- / -	- / -	- / -	184 / 2.569																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	151 / 1.868	- / -	- / -	- / -	151 / 1.868																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	- / -	- / -	- / -	40 / 0.340	- / -	40 / 0.340	144 / 2.229	151 / 1.868	- / -	- / -	- / -	335 / 4.437																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	40	48	48	48	-	40	40	40	31	-	-	-	-	-	-	-	-	-	335
Out	-	-	-	-	-	-	-	-	-	-	-	-	40	48	48	48	-	40	40	40	31	-	-	-	-	-	-	-	-	-	335
Method of Implementation (Organic): Organic - Power Control Lever (PCL)														Installation Quantity: 277																	
Method of Implementation (Organic): Not Installed - Airframe Structural/Sub-systems														Installation Quantity: 295																	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)	Modification Number / Title: 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)
Modification Item 2 of 2: INSTALLATION EQUIPMENT		
Installation Information		
Method of Implementation (Organic): Not Installed - Auto Ignition Relay		Installation Quantity: 295
Method of Implementation (Organic): Not Installed - Flight Management System		Installation Quantity: 295
Method of Implementation (Organic): Organic - Avionics Obsolescence		Installation Quantity: 305
Method of Implementation (Organic): Organic - Bundle A & B		Installation Quantity: 295
Method of Implementation (Organic): Organic - Onboard Oxygen Generating System - Concentrator		Installation Quantity: 295
Method of Implementation (Organic): Organic - Onboard Oxygen Generating System - Low Pressure Switch		Installation Quantity: 14
Method of Implementation (Organic): Organic - Canopy Seal Valve		Installation Quantity: 295
Method of Implementation (Organic): Organic - Cockpit Improvements		Installation Quantity: 197
Method of Implementation (Organic): Organic - Avionics Hardware/Software Modifications (B)		Installation Quantity: 292
Method of Implementation (Organic): Organic - Avionics Hardware/Software Modifications (A)		Installation Quantity: 295
Method of Implementation (Organic): Organic - Safety System Compliance - Organic		Installation Quantity: 291
Method of Implementation (Organic): Organic - Landing Gear Control Handle Redesign - LGCH ECP 149		Installation Quantity: 311
Method of Implementation (Organic): Organic - Landing Gear Shimmy Friction Collar ECP 151		Installation Quantity: 193
Method of Implementation (Organic): Organic - Emergency Oxygen Bottle Lanyard		Installation Quantity: 295
Footnotes:		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)	Modification Number / Title: 1 / P3a JPATS CORRECTION OF DEFICIENCIES (OSIP 011-04)
(1) The increase in unit cost is due to the different types of structural and sub-system ECPs with different unit costs. (2) New requirement based on emergent safety and sustainability requirements. (3) Modifications to the avionics will be required to upgrade the electronic flight instrument displays, Altitude and Heading Reference (AHRS) controller, and backup flight instruments and those avionic components associated with the affected aircraft systems to include associated software updates. (4) Fiscal Years 2016-2019 B Kits are required as per the maintenance schedule and contractual requirement; unit cost and quantity fluctuations are due to projected cost estimates for these requirements. (5) Change due to additional requirements development and change in estimating assumptions. (6) Amounts reflect contract negotiated prices and include contractor overhead rate driven increases. (7) Increase in Fiscal Year 2016 includes NRE for Safe Arm Handle. (8) Other support provides additional Original Equipment Manufacture (OEM) support for individual modifications. Fluctuations throughout the FYDP are due to varying levels of support required. Production deliveries end in Fiscal Year 2016 and the majority of the program will be focused on modification support.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)	Modification Number / Title: 2 / AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)

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>	0.000	-	-	5.943	-	5.943	9.530	16.651	25.250	14.864	-	72.238
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	5.943	-	5.943	9.530	16.651	25.250	14.864	-	72.238
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	5.943	-	5.943	9.530	16.651	25.250	14.864	-	72.238
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the Joint Primary Aircraft Training System (JPATS). JPATS is a joint United States Navy (USN)/United States Air Force Acquisition Program designed to replace the aging primary aircraft (T-34/T-37) fleet. Principal JPATS mission is primary training for entry-level Navy/Air Force student pilots, associated instructor pilots, and primary/intermediate training for USN Naval Flight Officers. JPATS includes the T-6 Texan II which is a stepped tandem seat, commercially derived aircraft powered by a single Pratt & Whitney PT6A-68 turboprop engine. It serves as the aircraft component of the JPATS integrated primary pilot training system which replaces the T-34C primary training aircraft.

The overall goal of the modifications budgeted in Fiscal Year 2016 and out is to be in compliance with the 28 May 2010 Federal Aviation Administration (FAA) release DoT/FAA, 14 CFR Part 91: Automated Dependent Surveillance Broadcast (ADS-B) Out performance requirements to support Air Traffic Control (ATC) service final rule. This mandate stipulates that all aircraft required to have unrestricted access to operate in Classes A, B, and C airspace, certain Class E airspace, and other specified airspace requiring ADS-B Out, must be in compliance with this regulation by January 1, 2020. Upgrading to ADS-B Out will require significant avionics system modifications to the T-6 fleet and may include replacing the existing GPS to be GPS-WAAS capable.

This is a Fiscal Year 2016 New Start.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)						Modification Number / Title: 2 / AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)			
Models of Systems Affected: T-6 A/B				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capabilities				Related RDT&E PEs: 0603208N					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)													
B Kits													
Recurring													
1.1.1) Aircraft Retrofit Kits - NonOrganic	- / -	- / -	- / -	54 / 3.168	- / -	54 / 3.168	72 / 4.393	72 / 4.569	72 / 4.751	25 / 1.716	- / -	295 / 18.597	
1.1.2) GBTS B Kits - NonOrganic ⁽⁹⁾	- / -	- / -	- / -	27 / 1.034	- / -	27 / 1.034	- / -	- / -	7 / 2.145	- / -	- / -	34 / 3.179	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / 4.202	- / -	- / 4.202	- / 4.393	- / 4.569	- / 6.896	- / 1.716	- / -	- / 21.776	
Non-Recurring													
1.2.1) Retrofit Non-Recurring Engineering - Organic ⁽¹⁰⁾	- / -	- / -	- / -	- / 1.620	- / -	- / 1.620	- / 2.350	- / 8.185	- / 13.283	- / 4.688	- / -	- / 30.126	
<i>Subtotal: Non-Recurring</i>	- / 0.000	- / -	- / -	- / 1.620	- / -	- / 1.620	- / 2.350	- / 8.185	- / 13.283	- / 4.688	- / -	- / 30.126	
<i>Subtotal: AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)</i>	- / -	- / -	- / -	81 / 5.822	- / -	81 / 5.822	72 / 6.743	72 / 12.754	79 / 20.179	25 / 6.404	- / -	329 / 51.902	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / 5.822	- / -	- / 5.822	- / 6.743	- / 12.754	- / 20.179	- / 6.404	- / -	- / 51.902	
Support (All Modification Items)													
2.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.2) DATA - Publications	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.3) Support Equipment	- / -	- / -	- / -	- / 0.121	- / -	- / 0.121	- / 0.167	- / 0.170	- / 0.205	- / -	- / -	- / 0.663	
2.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.6) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.327	- / 0.808	- / 1.713	- / 0.750	- / -	- / 3.598	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / 0.121	- / -	- / 0.121	- / 0.494	- / 0.978	- / 1.918	- / 0.750	- / -	- / 4.261	
Installation													
<i>Modification Item 1 of 1:</i> AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.293	- / 2.919	- / 3.153	- / 7.710	- / -	- / 16.075	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.293	- / 2.919	- / 3.153	- / 7.710	- / -	- / 16.075	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	5.943	-	5.943	9.530	16.651	25.250	14.864	-	72.238	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)										Modification Number / Title: 2 / AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)												
Modification Item 1 of 1: AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)																																
Manufacturer Information																																
Manufacturer Name: TBD - Aircraft Retrofit Kits															Manufacturer Location: TBD																	
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 12																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020						
Contract Dates										Dec 2015				Dec 2016				Dec 2017				Dec 2018				Dec 2019						
Delivery Dates										Dec 2016				Dec 2017				Dec 2018				Dec 2019				Dec 2020						
Manufacturer Name: TBD - GBTS B Kits															Manufacturer Location: TBD																	
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 12																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020						
Contract Dates										Dec 2015												Dec 2018										
Delivery Dates										Dec 2016												Dec 2019										
Installation Information																																
Method of Implementation: Depot Field Mod Team:: Installation Name: Aircraft Retrofit Kits																																
Installation Cost		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																			
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Installation Schedule																																
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18	18	18	18	18	18	18	18	18	18	18	24	24	24	25	-	295
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18	18	18	18	18	18	18	18	18	18	18	24	24	24	25	-	295

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0571 / JT Primary Acft Trnr Sys (JPATS)				Modification Number / Title: 2 / AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)	

Modification Item 1 of 1: AVIONICS UPGRADES FAA COMPLIANCE (OSIP 007-16)

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: GBTS B Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	27 / 1.080	- / -	- / -	- / -	- / -	27 / 1.080
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.280	- / -	7 / 0.280
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	27 / 1.080	- / -	- / -	7 / 0.280	- / -	34 / 1.360

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	7	6	-	-	-	-	-	-	-	-	2	2	2	1	-	34
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	7	6	-	-	-	-	-	-	-	-	2	2	2	1	-	34

Footnotes:

⁽⁹⁾ Fiscal Year 2016 Ground Based Trainer System (GBTS) for T-6B. Fiscal Year 2019 GBTS for T-6A.

⁽¹⁰⁾ Increases in Fiscal Year 2018 and Fiscal Year 2019 due to NRE for the T-6 aircraft and GBTS.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0576 / Common ECM Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 000			Item MDAP/MAIS Code(s):									
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>)	1,618.379	178.610	184.664	131.732	72.700	204.432	151.903	165.069	169.218	152.365	1,442.706	4,267.346
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,618.379	178.610	184.664	131.732	72.700	204.432	151.903	165.069	169.218	152.365	1,442.706	4,267.346
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,618.379	178.610	184.664	131.732	72.700	204.432	151.903	165.069	169.218	152.365	1,442.706	4,267.346
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds common Electronic Countermeasures (ECM) equipment for strike and assault aircraft. The overall goal of the modification budget is to provide a reprogrammable radar and missile warning system, provide attacking missile declaration, sector direction finding, laser detection, and self-protection capability devices to applicable user aircraft.

72-88 AAR-47: FY 2009 Overseas Contingency Operations (OCO) supplemental and FY 2010 OCO supplemental funded procurement of 950 AAR-47 B (V) 2 retrofit kits. FY 2012 and FY 2014 OCO provides funding for a Class I Engineering Change Proposal (ECP) to provide Computer Processor (CP) upgrade, improvements to B(V)2 processing for improved performance in probability of detection and False Alarm Rate (FAR), along with addressing obsolescence issues in the AAR-47.

14-90 AN/APR-39(V)2: FY 2010 OCO funding completed the Class I ECP and covered deferred tasks, which included 8 first-article ship sets for testing, APR-39 / AAR-47 software refinement, follow on test and evaluation to validate solutions and platform test and integration to support all current Radar Warning Receiver (RWR) and assault platforms using Aircraft Survivability Equipment (ASE). FY16 OCO funds will support the procurement of 28 APR-39D(V)2s for MV-22 AND 16 APR-39D(V)2s for H-1 aircraft.

06-00 ALE-39 to 47 Retrofit: FY 2009/FY 2010 OCO funds provided to procure AN/ALE-47 breach plates for CH-46, MV-22 and F/A-18 C/D lots 18-21 providing more reliable countermeasures dispensing and ensured accurate onboard inventory reporting. FY 2010 OCO funds provided the procurement of additional production CH-53 dual dispenser pods and the Non-Recurring Engineering (NRE)/installation to increase the expendables capacity from 120 to 240. FY 2010 OCO funding also provided the procurement of new AN/ALE-47 test sets (ALM-290) for F/A-18C/D, MV-22, HH-60 and P-3 to replace original version ALM-286 test sets that could not declare ALE-47 as full mission capable due to the limitations of older system design. Baseline funds provide modification of F/A-18 Lot 12-17 aircraft with ALE-47 capability.

05-08 DIRCM: This Operational Safety Improvements Program (OSIP) provides current available technology improvements to survivability for United States Marine Corps aircraft. FY 2009 through FY 2011 OCO funding was used to procure A-Kits and B-kits, along with program support. The OCO funds in FY 2014, FY 2015 and FY 2016 support procurement, upgrade, and testing and fielding of the Department of Navy Large Aircraft Infrared Countermeasure (DoN LAIRCM)/Advanced Threat Warning (ATW) capability.

04-12 Common On-Board Jammer: Integrated Defensive Electronic Counter Measure (IDECM) Block 4 is an ECP to the ALQ-214 intended to render it suitable for operation on the F/A-18C/D aircraft, while retaining all IDECM suite functionality when installed on F/A-18E/F aircraft. The Electronic Frequency Converter (EFC) enables dataflow via the fiber optic cable to the Fiber Optic Towed Decoy (FOTD) and is part of the IB-4 configuration when installed on the F/A-18E/F aircraft. This OSIP procures the ALQ-214 and the EFC.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft		P-1 Line Item Number / Title: 0576 / Common ECM Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:	Other Related Program Elements:
Line Item MDAP/MAIS Code: 000	Item MDAP/MAIS Code(s):		
17-12 Correction of Discrepancies: This OSIP will provide the required correction to multiple sub components that are obsolete. 04-15 Assault Correction of Discrepancies : Assault of Corrections of Discrepancies OSIP will affect changes to assault Electronic Countermeasure (ECM) equipment in the aircraft that have been delivered for fleet operations. These ECM systems require various upgrade initiatives and logistic support to keep these aircraft mission capable with a robust defensive system that ensure aircraft survivability.			

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0576 / Common ECM Equipment		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:	
Line Item MDAP/MAIS Code: 000		Item MDAP/MAIS Code(s):					

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)
1 / AN/AAR-47 DETECTION (OSIP 072-88) (MISSION CAPABILITY)	P-3a		- / 449.037	- / 10.183	- / -	- / -	- / -	- / -
2 / AN/APR-39D(V)2 RWR (OSIP 014-90) (MISSION CAPABILITY)	P-3a		- / 251.189	- / 27.485	- / 11.456	- / 23.485	- / 48.520	- / 72.005
3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00) (MISSION CAPABILITY)	P-3a		- / 169.150	- / 5.383	- / 7.132	- / 5.306	- / -	- / 5.306
4 / DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM /AAQ-24 (OSIP 005-08) (MISSION CAPABILITY)	P-3a		- / 377.760	- / 62.932	- / 71.204	- / 3.665	- / 24.180	- / 27.845
5 / COMMON ON-BOARD JAMMER (OBJ)(OSIP 004-12) (MISSION CAPABILITY)	P-3a		- / 92.822	- / 72.291	- / 93.810	- / 98.095	- / -	- / 98.095
6 / CORRECTIONS OF DISCREPANCIES (OSIP 017-12) (SAFETY/ RELIABILITY)	P-3a		- / 0.687	- / 0.336	- / 0.330	- / 0.463	- / -	- / 0.463
7 / ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15) (SAFETY/ RELIABILITY)	P-3a		- / 0.000	- / -	- / 0.732	- / 0.718	- / -	- / 0.718
8 / INACTIVE OSIPs ()	P-3a		- / 277.734	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 1,618.379	- / 178.610	- / 184.664	- / 131.732	- / 72.700	- / 204.432

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / AN/AAR-47 DETECTION (OSIP 072-88) (MISSION CAPABILITY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 459.220
2 / AN/APR-39D(V)2 RWR (OSIP 014-90) (MISSION CAPABILITY)	P-3a		- / 33.988	- / 39.689	- / 44.577	- / 34.583	- / 303.833	- / 818.805
3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00) (MISSION CAPABILITY)	P-3a		- / 3.385	- / 3.105	- / -	- / -	- / 10.903	- / 204.364
4 / DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM /AAQ-24 (OSIP 005-08) (MISSION CAPABILITY)	P-3a		- / 65.779	- / 62.894	- / 76.050	- / 69.207	- / 1,068.723	- / 1,882.394
5 / COMMON ON-BOARD JAMMER (OBJ)(OSIP 004-12) (MISSION CAPABILITY)	P-3a		- / 47.368	- / 58.530	- / 47.635	- / 48.575	- / 59.247	- / 618.373
6 / CORRECTIONS OF DISCREPANCIES (OSIP 017-12) (SAFETY/ RELIABILITY)	P-3a		- / 0.458	- / -	- / -	- / -	- / -	- / 2.274
7 / ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15) (SAFETY/ RELIABILITY)	P-3a		- / 0.925	- / 0.851	- / 0.956	- / -	- / -	- / 4.182
8 / INACTIVE OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 277.734
Total Gross/Weapon System Cost			- / 151.903	- / 165.069	- / 169.218	- / 152.365	- / 1,442.706	- / 4,267.346

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

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

Justification:
Program provides for common electronic countermeasures equipment for strike and assault aircraft.

OCO:

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft		P-1 Line Item Number / Title: 0576 / Common ECM Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Line Item MDAP/MAIS Code: 000	Item MDAP/MAIS Code(s):	
FY16 OCO funds will support the procurement of 28 APR-39D(V)2s for MV-22 AND 16 APR-39D(V)2s for H-1 aircraft, and support procurement, upgrade, and testing and fielding of the Department of Navy Large Aircraft Infrared Countermeasure (DoN LAIRCM)/Advanced Threat Warning (ATW) capability.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0576 / Common ECM Equipment	Modification Number / Title: 1 / AN/AAR-47 DETECTION (OSIP 072-88)

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>)	449.037	10.183	-	-	-	-	-	-	-	-	-	459.220
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	449.037	10.183	-	-	-	-	-	-	-	-	-	459.220
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	449.037	10.183	-	-	-	-	-	-	-	-	-	459.220
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The AN/AAR-47 warns of approaching missiles by detecting radiation associated with rocket motors and automatically initiates flare ejection. Detection algorithms are used to discriminate against non-approaching radiation sources. The AN/AAR-47 was a passive missile approach warning system consisting of four sensor assemblies housed in two or more sensor domes, a central processor unit and a control indicator. The AN/AAR-47 provides attacking missile declaration and sector direction finding as will be interfaced directly to the ALE-39/47 countermeasures dispenser. Without the AAR-47, helicopters and fixed wing aircraft have no capability to detect an infrared missile attack. Current deployed system has performance limitations in certain Overseas Contingency Operations (OCO) operating environments; the ECP supports United States Marine Corps (USMC) Universal Urgent Need Statement (UUNS) #03606UC. Fielded missile warning system has performance limitations in certain OCO operational environments. USN/USMC assault aircraft will continue to be susceptible to the Man-Portable Air Defense (MANPAD) threat in certain operating environments. FY 2015 efforts will continue the maturation and fielding of the Class I ECP to include CP upgrade, Smart Dispenser integration with ALE-47 improvements to B(V)2 processing for improved probability of detection and False Alarm Rate (FAR)and addressing obsolescence issues within the AAR-47 program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Milestone II was passed in 1982. Operational evaluation (on the CH-53E) was passed in October 1986. Milestone III was passed in May 1987 for full production with extension of application to all other platforms. Production of 709 systems and preparation of a Level III data package followed, with deliveries completed in early 1992. Under full and open competition, a contract for up to 1200 systems was awarded to Hercules (now Alliant) in December 1991. Actual orders were for Lockheed Martin in September 1995. Deliveries began in January 1997 and were completed in July 1999. There are two upgrade programs: The Computer Processor (CP) Micro Processor (MP) upgrade program FY 1997-FY 1999 replaced the 8086 MP board with an MP 80486 board with new software to enhance threat declaration and to better control false alarms. The second upgrade; AAR-47(V)2 Sensor upgrade, contained two phases; Phase one upgraded the Ultra Violet (UV) sensors with a solid state spectral filter assembly with embedded laser warning capability. Phase two incorporated a Class I sensor ECP (Dynamic Blanking) which upgraded the AAR-47(V) 2 sensors to the AAR-47A (V) 2 sensor design. Due to the current operational environment a third sensor class I ECP is required which improves probability of detection in the current theaters of operation. FY 2007 OCO funded the procurement of 5 first article test units for USMC/USN/United States Air Force operational assessment and the accelerated development of a Class I ECP for AAR-47B (V) 2 for multiple Type/Model/Series (T/ M/S) and delivery of 300 PDX upgrade kits consisting of four sensors and one CP unit. This is an O-level replacement with the existing sensors being sent to the contractor, upgraded and then sent back to the fleet. The AAR-47B (V) 2 reached Initial Operational Capability (IOC) status in October 2008. Congressional add funds provided in FY 2008 funded the operational flight software for the Hostile Fire Indication (HFI) capability. FY 2008 OCO funds are a payback for utilization of AAR-47 baseline budget for OCO requirements. FY 2009 and FY 2010 OCO funds procured 950 AAR-47 B (V) 2 retrofit kits. FY 2009 and FY 2010 OCO funded a Class I ECP and improved missile warning capabilities in support of UUNS #03606UC for United States Navy (USN)/USMC assault aircraft. Congressional add funds provided in FY 2009 and FY 2010 funded the AAR-47 operator interface and the continued HFI capability effort. FY 2012 and FY 2014 OCO funds a class I ECP to provide computer processor upgrade and smart dispense and improvements to B(V)2 processing for improved performance in probability of detection and False Alarm Rate (FAR), and addresses obsolescence issues in the AAR-47.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0576 / Common ECM Equipment	Modification Number / Title: 1 / AN/AAR-47 DETECTION (OSIP 072-88)

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment					Modification Number / Title: 1 / AN/AAR-47 DETECTION (OSIP 072-88)				
Models of Systems Affected: AH-1Z, UH-1Y, CH-53E, HH-60H, MH-60R/S, P-3C/AIP, KC-130T/J, MV-22, UC-12W				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan		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
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement													
Modification Item 1 of 1: AN/AAR-47 DETECTION (OSIP 072-88)													
A Kits													
Recurring													
1.1.1) Archived AKits/Recurring - Organic		1,160 / 57.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,160 / 57.215
Subtotal: Recurring		- / 57.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 57.215
B Kits													
Recurring													
2.1.1) Archived BKits/Recurring - Organic		3,339 / 201.664	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3,339 / 201.664
2.1.2) FY05, FY14 OCO CP Upgrade Equip - Organic		1 / 9.957	1,025 / 4.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,026 / 14.157
Subtotal: Recurring		- / 211.621	- / 4.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 215.821
Non-Recurring													
2.2.1) Archived BKits/Non-Recurring - Organic		- / 24.579	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.579
Subtotal: Non-Recurring		- / 24.579	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.579
Subtotal: AN/AAR-47 DETECTION (OSIP 072-88)		4,500 / 293.415	1,025 / 4.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5,525 / 297.615
Subtotal: Procurement, All Modification Items		- / 293.415	- / 4.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 297.615
Support (All Modification Items)													
3.1) Engineering Change Orders		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) CP UPGRADE EQUIP		- / 54.782	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 54.782
3.3) OCO CP UPGRADE EQUIP		- / 4.500	- / 4.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.000
3.4) Data		- / 1.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.952
3.5) OCO Data		- / 0.474	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.474
3.6) Training Equipment		- / 0.637	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.637
3.7) Test Equipment		- / 1.848	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.848
3.8) Support Equipment		- / 8.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.571
3.9) OCO Support Equipment		- / 0.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.350
3.10) OCO Background Data Recording Card		- / 2.542	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.542
3.11) ILS		- / 5.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.582
3.12) OCO ILS		- / 1.438	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.638
3.13) Other Support		- / 51.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 51.030

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment						Modification Number / Title: 1 / AN/AAR-47 DETECTION (OSIP 072-88)			
Models of Systems Affected: AH-1Z, UH-1Y, CH-53E, HH-60H, MH-60R/S, P-3C/AIP, KC-130T/J, MV-22, UC-12W				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.14) OCO Other Support	- / 17.916	- / 1.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.199	
3.15) CONG ADD Other Support	- / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.000	
<i>Subtotal: Support</i>	<i>- / 155.622</i>	<i>- / 5.983</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / 161.605</i>	
Installation													
<i>Subtotal: Installation</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	
Total													
Total Cost (Procurement + Support + Installation)	449.037	10.183	-	-	-	-	-	-	-	-	-	459.220	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0576 / Common ECM Equipment			Modification Number / Title: 1 / AN/AAR-47 DETECTION (OSIP 072-88)	
Modification Item 1 of 1: AN/AAR-47 DETECTION (OSIP 072-88)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - Archived AKits/Recurring					Installation Quantity: 1160		
Method of Implementation (Organic): Not Installed - Archived BKits/Recurring					Installation Quantity: 3339		
Method of Implementation (Organic): Not Installed - FY05, FY14 OCO CP Upgrade Equip					Installation Quantity: 1026		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment					Modification Number / Title: 2 / AN/APR-39D(V)2 RWR (OSIP 014-90)			
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>)	251.189	27.485	11.456	23.485	48.520	72.005	33.988	39.689	44.577	34.583	303.833	818.805
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	251.189	27.485	11.456	23.485	48.520	72.005	33.988	39.689	44.577	34.583	303.833	818.805
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	251.189	27.485	11.456	23.485	48.520	72.005	33.988	39.689	44.577	34.583	303.833	818.805
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION / JUSTIFICATION: The AN/APR-39A/B/C/D (V) 2 Radar Signal Detecting Set is designed for US Marine Corps, US Navy, US Air Force, and US Army Assault Support aircraft to provide onboard situational awareness and warning of radar threats. The AN/APR-39A/B/C/D(V)2 also provides control and display of the AAR-47 Missile Warning System and Chaff dispense commands to the ALE-47 Counter Measure Dispensing System. In addition, the AN/APR-39C/D (V) 2 provides control and display of the AAQ-24 and AAR-59. The APR-39A/B/C/D (V) 2 consists of five antennas, one Cockpit Control unit, a display, two, three, or four receivers, and one processor. FY 2012 thru FY 2016 funding will support a Class I ECP, APR-39D (V) 2, that corrects part I major deficiencies against the Radar Warning Receiver (RWR) noted in AH-1W, MV-22 and KC-130T Operational Evaluation (OpEval) reports. The current RWR provides inaccurate direction of arrival information, time delayed detection and identification of threat emitters causing loss of situational awareness to combat aircrews. The APR-39D (V) 2 system will be the RWR solution for all assault support aircraft (MV-22, AH-1, H-60, UH-1, H-53, and C-130). Baseline procurement of upgraded systems will start in FY 2016. FY16 Overseas Contingency Operations (OCO) funds will support the procurement of 28 APR-39D(V)2s for MV-22 AND 16 APR-39D(V)2s for H-1 aircraft. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The AN/APR-39A/B (V) 2 is in the Aircraft Procurement, Navy (APN)-1 Post Production and sustainment phase (MSIII3Q/96). The Department of Navy is the lead service of this joint service program. The US Army awarded the production contract thrid quarter 1996, and continues to administer the contract. The Department of Navy delivery of production systems commenced June 1999. Procurement of an APR-39A/B (V) 2 for the additional requiring platforms will be, by extension of application with the required follow-on test and evaluation, conducted on each platform. The AN/APR-39B (V) 2 is glass cockpit compatible for H-1 upgrade aircraft. FY 2008 OCO funded the development of the Computer Processor Unit (CPU) ECP upgrade B (V) 2 program now known as C (V) 2. This included incorporation of the Army APR-39A (V) 1 CPU now known as C (V) 1 and Memory Circuit Card Assemblies (MCCA). FY 2010 OCO funding completed the Class I ECP and cover deferred tasks, which included 8 first-article ship sets for testing, APR-39 / AAR-47 software refinement, follow on test & evaluation to validate solutions and platform test and integration to support all current RWR and assault platforms using Assault Survivability Equipment (ASE). The MV-22, AH-1Z, UH-1Y, CH-53K and MH-60S platforms have planned APN-1 procurement of APR-39 systems in FY 2010 and beyond. FY 2009 OCO funded the combined operator interface effort with the AAR-47. FY 2010 OCO funded the Class I ECP CP upgrade to the APR-39C (V) 2. FY 2012 funds were used to start the Class I ECP Non-Recurring Engineering (NRE) efforts for the correction of deficiencies of the RWR system. FY 2013 - FY 2016 will continue the NRE and testing of the upgraded APR-39 system (APR-39D (V)2).												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment					Modification Number / Title: 2 / AN/APR-39D(V)2 RWR (OSIP 014-90)				
Models of Systems Affected: UH-1Y, AH-1Z, MV-22, KC-130T, CH-53E/K, KC-130J, MH-53, HH-60H, MH-60S				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan		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
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement													
Modification Item 1 of 1: AN/APR-39D(V)2 RWR (OSIP 014-90)													
A Kits													
Recurring													
1.1.1) Archived AKits Recurring - Organic		7 / 0.238	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.238
Subtotal: Recurring		- / 0.238	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.238
B Kits													
Recurring													
2.1.1) Archieved BKits Recurring - Organic		745 / 119.104	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	745 / 119.104
2.1.2) Install Equip AN/APR-39A/C/D(V)2- MV-22 - Organic (1)		- / -	16 / 11.157	6 / 5.020	16 / 13.632	28 / 23.240	44 / 36.872	14 / 12.152	21 / 18.564	27 / 24.300	16 / 14.688	217 / 200.890	361 / 323.643
2.1.3) Install Equip AN/APR-39A/C/D(V)2-AH-1Z - Organic (2)		- / -	- / -	- / -	- / -	16 / 13.280	16 / 13.280	16 / 13.888	16 / 14.144	16 / 14.400	16 / 14.688	116 / 96.028	196 / 166.428
2.1.4) Install Equip AN/APR-39 C(V)2 MV-22 - Organic (3)		- / -	19 / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 4.000
Subtotal: Recurring		- / 119.104	- / 15.157	- / 5.020	- / 13.632	- / 36.520	- / 50.152	- / 26.040	- / 32.708	- / 38.700	- / 29.376	- / 296.918	- / 613.175
Non-Recurring													
2.2.1) Archived BKits Non-Recurring - Organic		- / 16.707	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.707
Subtotal: Non-Recurring		- / 16.707	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.707
Subtotal: AN/APR-39D(V)2 RWR (OSIP 014-90)		752 / 136.049	35 / 15.157	6 / 5.020	16 / 13.632	44 / 36.520	60 / 50.152	30 / 26.040	37 / 32.708	43 / 38.700	32 / 29.376	333 / 296.918	1,328 / 630.120
Subtotal: Procurement, All Modification Items		- / 136.049	- / 15.157	- / 5.020	- / 13.632	- / 36.520	- / 50.152	- / 26.040	- / 32.708	- / 38.700	- / 29.376	- / 296.918	- / 630.120
Support (All Modification Items)													
3.1) ECO		- / 20.852	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.852
3.2) OCO ECO		- / 3.834	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.834
3.3) OCO B(V)X Computer Processor ECP		- / 1.870	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.870
3.4) D(V)2 System ECP		- / 33.588	- / 6.023	- / 1.235	- / 1.992	- / -	- / 1.992	- / 1.759	- / 0.889	- / 0.683	- / -	- / 1.182	- / 47.351
3.5) C(V)2 System Software		- / -	- / -	- / -	- / 2.788	- / -	- / 2.788	- / 1.376	- / 0.796	- / 0.490	- / 0.054	- / -	- / 5.504
3.6) Data		- / 1.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.024
3.7) Training Equipment		- / 0.960	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.960
3.8) Support Equipment		- / 2.082	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.082

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 2 / AN/APR-39D(V)2 RWR (OSIP 014-90)				
Models of Systems Affected: UH-1Y, AH-1Z, MV-22, KC-130T, CH-53E/K, KC-130J, MH-53, HH-60H, MH-60S				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:				

Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.9) OCO Support Equipment	- / 1.073	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.073
3.10) ILS	- / 6.309	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.309
3.11) OCO ILS	- / 0.351	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.351
3.12) OCO Other Support	- / 6.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.122
3.13) Other Support	- / 37.075	- / 6.305	- / 5.201	- / 5.073	- / -	- / 5.073	- / 4.813	- / 5.296	- / 4.704	- / 5.153	- / 5.733	- / 79.353
3.14) MV-22 Integration Support	- / -	- / -	- / -	- / -	- / 6.000	- / 6.000	- / -	- / -	- / -	- / -	- / -	- / 6.000
3.15) AH-1 Integration Support	- / -	- / -	- / -	- / -	- / 6.000	- / 6.000	- / -	- / -	- / -	- / -	- / -	- / 6.000
3.16) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 115.140	- / 12.328	- / 6.436	- / 9.853	- / 12.000	- / 21.853	- / 7.948	- / 6.981	- / 5.877	- / 5.207	- / 6.915	- / 188.685
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	251.189	27.485	11.456	23.485	48.520	72.005	33.988	39.689	44.577	34.583	303.833	818.805

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0576 / Common ECM Equipment			Modification Number / Title: 2 / AN/APR-39D(V)2 RWR (OSIP 014-90)	
Modification Item 1 of 1: AN/APR-39D(V)2 RWR (OSIP 014-90)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - Archived AKits Recurring					Installation Quantity: 7		
Method of Implementation (Organic): Not Installed - Archived BKits Recurring					Installation Quantity: 745		
Method of Implementation (Organic): Not Installed - Install Equip AN/APR-39A/C/D(V)2- MV-22					Installation Quantity: 361		
Method of Implementation (Organic): Not Installed - Install Equip AN/APR-39A/C/D(V)2-AH-1Z					Installation Quantity: 196		
Method of Implementation (Organic): Not Installed - Install Equip AN/APR-39 C(V)2 MV-22					Installation Quantity: 19		
Footnotes: ⁽¹⁾ Validation/verification systems were procured in FY 2014 and will be procured in FY 2015 to support platform integration and suitability testing at the MV-22B, AH-1Z, and UH-1Y Aircraft System Integration Lab and during verification of correction of deficiency flights. Procurement of upgraded systems will start in FY 2016. Unit cost in FY17 increased as the procurement quantity decreased. ⁽²⁾ Unit cost increase in FY 2017 is based on contractor embedded inflation charge. ⁽³⁾ FY14 "B" Kit comprised of 19 Antenna Receivers Ship Sets @ \$121,412.00 and 38 Receivers @ \$42,300.00, requirement will meet DoN Aircraft production requirements.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0576 / Common ECM Equipment	Modification Number / Title: 3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)

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)	169.150	5.383	7.132	5.306	-	5.306	3.385	3.105	-	-	10.903	204.364
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	169.150	5.383	7.132	5.306	-	5.306	3.385	3.105	-	-	10.903	204.364
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	169.150	5.383	7.132	5.306	-	5.306	3.385	3.105	-	-	10.903	204.364
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The replacement of the AN/ALE-39 Dispenser System with the AN/ALE-47 will correct serious safety problems and greatly improve aircraft survivability. As a joint program, Under Secretary of Defense (Acquisition Technology & Logistics) memo of November 1986 directed US Navy and US Army to participate in the US Air Force (USAF) Engineering Manufacturing Development (EMD) phase. Requirements were established by USAF Statement of Operational Requirements Document (ORD) number 341.88-II-D of 8 July 92.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The AN/ALE-47 system is in production and being installed in multiple US Navy, US Marine Corp and USAF aircraft. Milestone III decision awarded March 1993. Production system components are being procured under Air Force contract FA8523-13-D-0001 awarded October 2012. The urgent requirement contract for the dual dispenser pod prototype was awarded February 2009. PowerPC processor upgrade contract was awarded March 2010. The F/A-18C/D retrofit kits were increased to accommodate production capability/aircraft availability. Operational, Safety and Improvement Program (OSIP) 006-00 was initially established for the retrofit of multiple Type/Model/Series (T/M/S), but operational requirements in support of Overseas Contingency Operations (OCO) resulted in accelerated installs and additional aircraft being identified for retrofit incorporation with FY 2004/2005 OCO Supplemental funds. FY 2007/2008 OCO Supplemental funds added a PowerPC processor upgrade and additional dispenser pods for increased capacity and forward firing capability on assault platforms. FY 2009 - 2016 provides funding for retrofit installation of AN/ALE-47 on F/A-18C/D aircraft lots 12-17. FY 2009 OCO funds were also provided to procure AN/ALE-47 breech plates for F/A-18 C/D lots 18-21 to provide more reliable countermeasures dispensing and ensure accurate onboard inventory reporting. FY 2010 OCO funding was provided for additional dispensers/pods to increase mission duration and survivability for CH-53D/E, the procurement of additional production dual dispenser pods and the Non-Recurring Engineering (NRE)/installation to increase the expendables capacity from 120 to 240.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)					
Models of Systems Affected: CH-53E, EA-6B, AH-1W, CH-46E, UH-1N, MH-53E, F/A-18C/D, AV8B, MV-22, KC-130F/R/T, H60, P-3, SH-60B				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan		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
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement													
Modification Item 1 of 1: ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)													
A Kits													
Recurring													
1.1.1) Archived AKits/Recurring - Organic		2,539 / 20.679	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,539 / 20.679
1.1.2) F/A-18 A-Kit - NonOrganic ⁽⁴⁾		132 / 5.174	9 / 0.763	26 / 1.761	34 / 1.766	- / -	34 / 1.766	25 / 1.312	25 / 1.325	- / -	- / -	49 / 2.646	300 / 14.747
Subtotal: Recurring		- / 25.853	- / 0.763	- / 1.761	- / 1.766	- / -	- / 1.766	- / 1.312	- / 1.325	- / -	- / -	- / 2.646	- / 35.426
Non-Recurring													
1.2.1) Archived AKits/Non-Recurring - Organic		22 / 6.458	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 6.458
Subtotal: Non-Recurring		- / 6.458	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.458
B Kits													
Recurring													
2.1.1) Archived BKits/Recurring - Organic		6,120 / 74.298	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6,120 / 74.298
2.1.2) F/A-18 B Kits - Organic ⁽⁵⁾		132 / 4.573	9 / 0.139	26 / 1.679	34 / 0.975	- / -	34 / 0.975	25 / 0.400	25 / 0.400	- / -	- / -	49 / 2.352	300 / 10.518
Subtotal: Recurring		- / 78.871	- / 0.139	- / 1.679	- / 0.975	- / -	- / 0.975	- / 0.400	- / 0.400	- / -	- / -	- / 2.352	- / 84.816
Subtotal: ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)		8,945 / 111.182	18 / 0.902	52 / 3.440	68 / 2.741	- / -	68 / 2.741	50 / 1.712	50 / 1.725	- / -	- / -	98 / 4.998	9,281 / 126.700
Subtotal: Procurement, All Modification Items		- / 111.182	- / 0.902	- / 3.440	- / 2.741	- / -	- / 2.741	- / 1.712	- / 1.725	- / -	- / -	- / 4.998	- / 126.700
Support (All Modification Items)													
3.1) Equip ECO		- / 0.783	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.783
3.2) Data		- / 0.056	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.056
3.3) Training Equip		- / 3.185	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.185
3.4) Support Equip		- / 3.236	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.236
3.5) OCO Support Equipment		- / 0.857	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.857
3.6) F/A-18 ALM-290 Test Sets ⁽⁶⁾		- / 1.089	- / 0.470	- / 0.288	- / 0.300	- / -	- / 0.300	- / 0.325	- / 0.320	- / -	- / -	- / 0.858	- / 3.650
3.7) FY05 Supp		- / 1.156	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.156
3.8) Title 9 Supplemental		- / 1.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.333
3.9) ILS		- / 1.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.333
3.10) OCO ILS CH-53D/E		- / 1.862	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.862
3.11) Other Support		- / 28.002	- / 1.227	- / 0.383	- / 0.506	- / -	- / 0.506	- / 0.317	- / 0.309	- / -	- / -	- / 0.637	- / 31.381

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0576 / Common ECM Equipment					Modification Number / Title: 3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)			
Models of Systems Affected: CH-53E, EA-6B, AH-1W, CH-46E, UH-1N, MH-53E, F/A-18C/D, AV8B, MV-22, KC-130F/R/T, H60, P-3, SH-60B					Modification Type: MISSION CAPABILITY					Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.12) OCO Other Support	- / 8.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.856	
3.13) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 51.748	- / 1.697	- / 0.671	- / 0.806	- / -	- / 0.806	- / 0.642	- / 0.629	- / -	- / -	- / 1.495	- / 57.688	
Installation													
<i>Modification Item 1 of 1:</i> ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)	- / 6.220	- / 2.784	- / 3.021	- / 1.759	- / -	- / 1.759	- / 1.031	- / 0.751	- / -	- / -	- / 4.410	- / 19.976	
<i>Subtotal: Installation</i>	- / 6.220	- / 2.784	- / 3.021	- / 1.759	- / -	- / 1.759	- / 1.031	- / 0.751	- / -	- / -	- / 4.410	- / 19.976	
Total													
Total Cost (Procurement + Support + Installation)	169.150	5.383	7.132	5.306	-	5.306	3.385	3.105	-	-	10.903	204.364	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)																							
Modification Item 1 of 1: ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)																															
Manufacturer Information																															
Manufacturer Name: NAWC, Weapon Center							Manufacturer Location: China Lake, CA																								
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 4																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017																										
Delivery Dates	Feb 2014	Feb 2015	Feb 2016	Feb 2017	Feb 2018																										
Installation Information																															
Method of Implementation: Depot Level Installation:: Installation Name: F/A-18C Installation Costs																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	108 / 6.220	24 / 2.784	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	132 / 9.004																			
FY 2014	- / -	- / -	9 / 0.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.777																			
FY 2015	- / -	- / -	26 / 2.244	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 2.244																			
FY 2016	- / -	- / -	- / -	34 / 1.759	- / -	34 / 1.759	- / -	- / -	- / -	- / -	- / -	34 / 1.759																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	25 / 1.031	- / -	- / -	- / -	- / -	25 / 1.031																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.751	- / -	- / -	- / -	25 / 0.751																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 4.410	49 / 4.410																			
Total	108 / 6.220	24 / 2.784	35 / 3.021	34 / 1.759	- / -	34 / 1.759	25 / 1.031	25 / 0.751	- / -	- / -	49 / 4.410	300 / 19.976																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	108	6	6	6	6	3	10	10	12	-	10	10	14	-	8	9	8	-	8	9	8	-	-	-	-	-	-	-	-	49	300
Out	108	-	6	6	6	6	3	10	10	12	-	10	10	14	-	8	9	8	-	8	9	8	-	-	-	-	-	-	-	49	300
Method of Implementation (Organic): Not Installed - Archived AKits/Recurring														Installation Quantity: 2539																	
Method of Implementation (Organic): Not Installed - Archived AKits/Non-Recurring														Installation Quantity: 22																	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0576 / Common ECM Equipment	Modification Number / Title: 3 / ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)
Modification Item 1 of 1: ALE-39 TO ALE-47 RETROFIT (OSIP 006-00)		
Installation Information		
Method of Implementation (Organic): Not Installed - Archived BKits/Recurring		Installation Quantity: 6120
Method of Implementation (Organic): Organic - F/A-18 B Kits		Installation Quantity: 300
Footnotes: (4) FY 2015 quantity procurement was reduced from (35) by (9) to (26) due to delay in delivery of FY 2014 A-kits. Artisan furologhs and aircraft availability caused delays in the install schedule, which has extended the schedule to complete aircraft mods. The Technical Directive (TD) for AFC-566 is being modified to allow for stand-alone modifications, which will provide more flexibility to schedule aircraft for ALE-47 Retrofit induction without schedule delays of concurrent aircraft modifications. CNAL/CNAP is continuing extension of flight hours and service life on the F/A-18s, possibly to FY 2031, to fill strike fighter shortfall, requiring additional aircraft modifications. 'To Complete' quantity increases the planned aircraft modifications by (49) to accommodate F/A-18 aircraft with extended life. (5) FY 2015 increase in unit cost is driven by full ship-sets (blocks, breech plates, housings) being procured. In FY 2014, reclaimed assets were screened/validated as Ready-to-Issue (RFI) status and used as Government Furnished Equipment (GFE) assets, vice new procurements. The FY 2016-2018 decrease in unit costs for F/A-18 B-kits is due to use of reclaimed assets being screened/validated as RFI status and used as GFE assets, vice new procurements. The Technical Directive (TD) for AFC-566 is being modified to allow for stand-alone modifications, which will provide more flexibility to schedule aircraft for ALE-47 Retrofit induction without schedule delays of concurrent aircraft modifications. CNAL/CNAP is continuing extension of flight hours and service life on the F/A-18s, possibly to FY 2031, to fill strike fighter shortfall, requiring additional aircraft modifications. 'To Complete' quantity increases the planned aircraft modifications by (49) to accommodate F/A-18 aircraft with extended life. Equal number of F/A-18 A & B kits are required for installation. (6) The increase in total costs in FY 2016 and FY 2017 for the ALM-290 test sets is due to the increased labor rates for manufacturing and increased pricing for miscellaneous components that are nearing obsolescence being procured through contract. The Technical Directive (TD) for AFC-566 is being modified to allow for stand-alone modifications, which will provide more flexibility to schedule aircraft for ALE-47 Retrofit induction without schedule delays of concurrent aircraft modifications. CNAL/CNAP is continuing extension of flight hours and service life on the F/A-18s, possibly to FY 2031, to fill strike fighter shortfall, requiring additional aircraft modifications. 'To Complete' quantity increases the planned aircraft modifications by (49) to accommodate F/A-18 aircraft with extended life.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment					Modification Number / Title: 4 / DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM / AAQ-24 (OSIP 005-08)			

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>)	377.760	62.932	71.204	3.665	24.180	27.845	65.779	62.894	76.050	69.207	1,068.723	1,882.394
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	377.760	62.932	71.204	3.665	24.180	27.845	65.779	62.894	76.050	69.207	1,068.723	1,882.394
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	377.760	62.932	71.204	3.665	24.180	27.845	65.779	62.894	76.050	69.207	1,068.723	1,882.394
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The AN/AAQ-24 Department of the Navy, Large Aircraft Infrared Countermeasures (DoN LAIRCM) System (B-kit) consists of 5 components: Missile Warning Sensor (MWS) (5 ea.), processor (1 ea.), guardian laser transmitter assembly (2 ea.), controller interface unit (1 ea.), and Viper Laser (2 ea.). A-kits are platform specific and include mounting assemblies, cabling and wiring, and an embedded Global Positioning System (GPS)/ Inertial Navigation System (INS). Urgent Universal Need Statement (UUNS) #03606UC dated 17 Nov 2006 mandated NAVAIR to field improved Aircraft Survivability Equipment (ASE) on all USMC (and USN) rotary-wing aircraft to counter infrared surface-to-air missile threats in support of the Global War on Terrorism (GWOT). Current USMC operations posed additional surface to air threats requiring Advanced Threat Warning (ATW) and countermeasure capability against Man-Portable Air Defense Systems (MANPADS) and awareness of incoming Rocket Propelled Grenades (RPG), hostile gunfire, Anti-Aircraft Artillery (AAA), and laser-guided weapons. ECPs include the upgrades to add ATW, Smart Dispensing capabilities as well as processor interfaces to support unique aircraft architecture. ATW sensors provide improved MWS detection (Pd), lower False Alarm Rate (FAR), threat bearing and geo-location, Hostile Fire Indication (HFI), threat ID (category), and Laser Warning (LW). FY 2011 through FY 2020 supports procurement, ECPs, integration, validation, FOT&E, and fielding of DoN LAIRCM/ATW systems on CH-53K, C-20, C-40, KC-130J, CH-53E, CH-46, P-8 and MV-22 USMC/USN platforms. Supplemental funds in FY 2014, FY 2015 and FY 2016 support procurement, upgrade, and testing and fielding of the Department of Navy Large Aircraft Infrared Countermeasure (DoN LAIRCM)/Advanced Threat Warning (ATW) capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Assistant Secretary of the Navy (ASN) approved the DoN LAIRCM program Milestone C / Full Rate Production (FRP) in Jan 2010. DoN LAIRCM provides a cost effective Infrared Counter Measure (IRCM) suite for assault support, combat aircraft. FY 2005 GWOT supplemental funds enabled the Analysis of Alternative (AOA) for an Assault Directed IR Countermeasures (DIRCM) program comparing Government Off The Shelf (GOTS), Gen I MWS and ALE-47 Counter Measure Dispensing System (CMDS) with Gen II MWS and DIRCM. FY 2007 PMA272 conducted a Technology Assessment Program (TAP) Flight evaluation the AOA results on USMC CH-53E using FY 2007 supplemental funds to integrate A-kit and B-kit test articles. The TAP was completed in July 2007, demonstrating DoN LAIRCM improved IR MWS technology combined with advanced DIRCM improved IRCM performance and mitigated existing UV MWS and CMDS deficiencies. DoN LAIRCM completed Operation, Test and Evaluation (OT&E) and achieved IOC in May 2009. The DoN LAIRCM program continues to expand; since 2010 CH-53K, C-20, C-40, KC-130J, and V-22 PMOs have submitted requirements for LAIRCM. The Program Offices (i.e., PMA-207, PMA-261, PMA-275 etc.) use Aircraft Procurement, Navy (APN) 1,2,4, and 5 funding as appropriate to integrate and procure DoN LAIRCM systems.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 4 / DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM / AAQ-24 (OSIP 005-08)					
Models of Systems Affected: CH-53E, CH-46E , C-20, C-40, KC130J, P-8, CH-53K, MV-22				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM /AAQ-24 (OSIP 005-08)													
B Kits													
Recurring													
2.1.1) DIRCM (B Kits) - Organic ⁽⁷⁾	7 / 20.252	- / -	10 / 26.605	- / -	10 / 24.180	10 / 24.180	17 / 45.312	20 / 54.800	30 / 66.670	32 / 58.560	380 / 1,012.538	506 / 1,308.917	
2.1.2) OCO DIRCM (B Kits) - Organic	68 / 127.582	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	68 / 127.582	
2.1.3) Multi-role Electro-Optical End to End (MEON) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.665	6 / 0.798	7 / 0.931	8 / 1.064	91 / 12.103	117 / 15.561	
2.1.4) OCO MEON - Organic	23 / 1.698	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 1.698	
2.1.5) OCO ATW Retrofit Kits - Organic	30 / 29.121	31 / 33.000	32 / 31.350	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	93 / 93.471	
2.1.6) ATW Retrofit Kits - Organic	12 / 9.747	- / -	- / -	- / -	- / -	- / -	18 / 13.761	- / -	- / -	- / -	9 / 7.275	39 / 30.783	
Subtotal: Recurring	- / 188.400	- / 33.000	- / 57.955	- / -	- / 24.180	- / 24.180	- / 59.738	- / 55.598	- / 67.601	- / 59.624	- / 1,031.916	- / 1,578.012	
Non-Recurring													
2.2.1) A/C Integration NRE - Organic	- / -	- / -	- / 4.553	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.553	
2.2.2) OCO A/C Integration NRE - Organic	- / -	- / 2.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.788	
2.2.3) Navy Test - Organic	- / -	- / 3.868	- / 3.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.260	- / 13.388	
2.2.4) OCO Navy Test - Organic	- / -	- / 3.032	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.032	
2.2.5) MV-22 NRE - Organic	- / -	- / 15.724	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.724	
Subtotal: Non-Recurring	- / 0.000	- / 25.412	- / 7.813	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.260	- / 39.485	
Subtotal: DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM /AAQ-24 (OSIP 005-08)	140 / 188.400	31 / 58.412	42 / 65.768	- / -	10 / 24.180	10 / 24.180	40 / 59.738	26 / 55.598	37 / 67.601	40 / 59.624	480 / 1,038.176	846 / 1,617.497	
Subtotal: Procurement, All Modification Items	- / 188.400	- / 58.412	- / 65.768	- / -	- / 24.180	- / 24.180	- / 59.738	- / 55.598	- / 67.601	- / 59.624	- / 1,038.176	- / 1,617.497	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 4.706	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.706	
3.2) OCO Engineering Change Orders	- / 60.925	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 60.925	
3.3) Software Upgrade ⁽⁸⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.789	- / 2.346	- / 2.109	- / 2.254	- / -	- / 8.498	
3.4) Data	- / 0.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.487	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 4 / DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM / AAQ-24 (OSIP 005-08)				
Models of Systems Affected: CH-53E, CH-46E , C-20, C-40, KC130J, P-8, CH-53K, MV-22				Modification Type: MISSION CAPABILITY				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.5) OCO Data	- / 0.109	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.109
3.6) Training Equipment	- / 0.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.024
3.7) Support Equipment ⁽⁹⁾	- / 2.360	- / 0.231	- / 0.949	- / -	- / -	- / -	- / 0.350	- / 0.350	- / 0.337	- / 0.337	- / -	- / 4.914
3.8) OCO Support Equipment ⁽¹⁰⁾	- / -	- / 0.180	- / 0.412	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.592
3.9) ILS	- / 11.011	- / 0.402	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.503	- / 2.342	- / 4.468	- / 19.726
3.10) OCO ILS	- / 3.545	- / -	- / 0.044	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.589
3.11) Other Support ⁽¹¹⁾	- / 35.142	- / 3.707	- / 3.917	- / 3.665	- / -	- / 3.665	- / 3.902	- / 4.600	- / 4.500	- / 4.650	- / 26.079	- / 90.162
3.12) OCO Other Support	- / 47.436	- / -	- / 0.114	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.550
3.13) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.14) Archived BKits Recurring - Organic	- / 23.615	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.615
Subtotal: Support	- / 189.360	- / 4.520	- / 5.436	- / 3.665	- / -	- / 3.665	- / 6.041	- / 7.296	- / 8.449	- / 9.583	- / 30.547	- / 264.897
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	377.760	62.932	71.204	3.665	24.180	27.845	65.779	62.894	76.050	69.207	1,068.723	1,882.394

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0576 / Common ECM Equipment			Modification Number / Title: 4 / DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM / AAQ-24 (OSIP 005-08)	
Modification Item 1 of 1: DIRECTED INFRARED COUNTERMEASURE DoN LAIRCM /AAQ-24 (OSIP 005-08)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - DIRCM (B Kits)					Installation Quantity: 506		
Method of Implementation (Organic): Not Installed - OCO DIRCM (B Kits)					Installation Quantity: 68		
Method of Implementation (Organic): Not Installed - Multi-role Electro-Optical End to End (MEON)					Installation Quantity: 117		
Method of Implementation (Organic): Not Installed - OCO MEON					Installation Quantity: 23		
Method of Implementation (Organic): Not Installed - OCO ATW Retrofit Kits					Installation Quantity: 93		
Method of Implementation (Organic): Not Installed - ATW Retrofit Kits					Installation Quantity: 39		
Footnotes: ⁽⁷⁾ B-Kit unit cost varies across the FYDP based on platform type/model. FY2019-FY2020 B Kit unit cost decreased based on MV-22 configuration. ⁽⁸⁾ FY2017-FY2020 includes ECPs to integrate new LAIRCM processor and Control Indicator Unit (CIU) configurations; to implement and verify LAIRCM with new platform ASE; and to implement digital interoperability requirements defined in the integrated ASE/Information Systems (iASE/IS) Interface Control Document (ICD). ⁽⁹⁾ FY 2015 increase supports the upgrades, test and fielding of the DoN LAIRCM Advanced Threat Warning (ATW). This is the primary testing supporting the integration and fielding of the ATW to include logistic, integration and Hardware In the Loop (HITL). ⁽¹⁰⁾ FY 2015 increase supports the upgrades, test and fielding of the DoN LAIRCM Advanced Threat Warning (ATW). This is the primary testing supporting the integration and fielding of the ATW to include logistic, integration and Hardware In the Loop (HITL). ⁽¹¹⁾ FY 2016 reduction impacts overall program execution to include integration, A/C validation, test, production contracts, and fielding of DoN LAIRCM on MV-22 and KC-130J; will delay MV-22 fielding to support the USMC SPMAGTF.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment					Modification Number / Title: 5 / COMMON ON-BOARD JAMMER (OBJ)(OSIP 004-12)			
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>	92.822	72.291	93.810	98.095	-	98.095	47.368	58.530	47.635	48.575	59.247	618.373
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	92.822	72.291	93.810	98.095	-	98.095	47.368	58.530	47.635	48.575	59.247	618.373
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	92.822	72.291	93.810	98.095	-	98.095	47.368	58.530	47.635	48.575	59.247	618.373
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION: Integrated Defensive Electronic Countermeasure (IDECM) Block (IB-4) is an Engineering Change Proposal (ECP) to the ALQ-214 intended to render it suitable for operation on the F/A-18C/D aircraft, while retaining all IDECM suite functionality when installed on F/A-18E/F aircraft. This ECP will result in a Common On-Board Jammer (OBJ) system that must meet the requirements of the OBJ Block 2 Operational Requirements Document (ORD) #624-78-03 and be compatible with the ALE-55 Fiber Optic Towed Decoy (FOTD). The Electronic Frequency Converter (EFC) enables dataflow via the fiber optic cable to the FOTD and is part of the IB-4 configuration when installed on the F/A-18E/F aircraft. This Operational Safety Improvement Program (OSIP) is for the onboard portion of the IB-4 configuration. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The ALQ-214 received Milestone III approval in January 2004 and is still in Full Rate Production (FRP). FRP 9 is the first ALQ-214 production lot in the IB-4 configuration and was awarded 3rd quarter FY 2012. FRP 10 is the second production transition contract which was awarded in 3rd Qtr FY 2013. Production line transition to the IB-4 configuration will be complete in FY 2014. Annual production contract awards are expected to continue through FY 2021. Additional ALQ-214 systems are being procured in FY 2014-FY 2016 to reflect the service life extension of the F/A-18C/D aircraft and procurement of additional F/A-18E/F aircraft. A total of 190 IB-4 ALQ-214s are planned for procurement.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 5 / COMMON ON-BOARD JAMMER (OBJ)(OSIP 004-12)					
Models of Systems Affected: F/A-18C/D/E/F				Modification Type: MISSION CAPABILITY				Related RDT&E PEs: 0604270N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: COMMON ON-BOARD JAMMER (OBJ)(OSIP 004-12)													
B Kits													
Recurring													
2.1.1) ALQ-214 Retrofit Kits (C/D) Install Equipment - Organic ⁽¹²⁾	68 / 6.728	28 / 2.995	32 / 3.493	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	128 / 13.216	
2.1.2) ALQ-214 Retrofit Kits (E/F) Install Equipment - Organic ⁽¹³⁾	81 / 1.461	33 / 0.639	36 / 0.744	42 / 0.938	- / -	42 / 0.938	15 / 0.352	19 / 0.450	12 / 0.299	13 / 0.330	6 / 0.154	257 / 5.367	
2.1.3) ALQ-214 Install Equipment - Organic ⁽¹⁴⁾	24 / 54.188	25 / 54.584	36 / 81.851	40 / 88.750	- / -	40 / 88.750	15 / 39.364	19 / 50.014	12 / 39.345	13 / 40.209	6 / 36.940	190 / 485.245	
2.1.4) EFC Install Equipment - Organic	76 / 9.970	59 / 8.270	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	135 / 18.240	
Subtotal: Recurring	- / 72.347	- / 66.488	- / 86.088	- / 89.688	- / -	- / 89.688	- / 39.716	- / 50.464	- / 39.644	- / 40.539	- / 37.094	- / 522.068	
Non-Recurring													
2.2.1) Archieved BKits Non-Recurring - Organic	- / 3.515	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.515	
Subtotal: Non-Recurring	- / 3.515	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.515	
Subtotal: COMMON ON-BOARD JAMMER (OBJ) (OSIP 004-12)	249 / 75.862	145 / 66.488	104 / 86.088	82 / 89.688	- / -	82 / 89.688	30 / 39.716	38 / 50.464	24 / 39.644	26 / 40.539	12 / 37.094	710 / 525.583	
Subtotal: Procurement, All Modification Items	- / 75.862	- / 66.488	- / 86.088	- / 89.688	- / -	- / 89.688	- / 39.716	- / 50.464	- / 39.644	- / 40.539	- / 37.094	- / 525.583	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.855	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.855	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support ⁽¹⁵⁾	- / 16.105	- / 5.803	- / 7.722	- / 8.407	- / -	- / 8.407	- / 7.652	- / 8.066	- / 7.991	- / 8.036	- / 22.153	- / 91.935	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 16.960	- / 5.803	- / 7.722	- / 8.407	- / -	- / 8.407	- / 7.652	- / 8.066	- / 7.991	- / 8.036	- / 22.153	- / 92.790	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	92.822	72.291	93.810	98.095	-	98.095	47.368	58.530	47.635	48.575	59.247	618.373	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0576 / Common ECM Equipment			Modification Number / Title: 5 / COMMON ON-BOARD JAMMER (OBJ)(OSIP 004-12)	
Modification Item 1 of 1: COMMON ON-BOARD JAMMER (OBJ)(OSIP 004-12)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - ALQ-214 Retrofit Kits (C/D) Install Equipment					Installation Quantity: 128		
Method of Implementation (Organic): Not Installed - ALQ-214 Retrofit Kits (E/F) Install Equipment					Installation Quantity: 257		
Method of Implementation (Organic): Not Installed - ALQ-214 Install Equipment					Installation Quantity: 190		
Method of Implementation (Organic): Not Installed - EFC Install Equipment					Installation Quantity: 135		
Footnotes: ⁽¹²⁾ FA-18 Class Desk increased requirements on the ALQ-214 Retrofit Kits (C/D) from 96-128 aircraft. ⁽¹³⁾ E/F Install Equipment unit cost is based upon projected cost. Additional ALQ-214 E/F Retrofit kits being procured correlate to additional aircraft procured by PMA-265. FY 2016 begins a new Firm Fixed Priced (FFP) contract; estimated unit cost is based upon the Cost Model (CM). ⁽¹⁴⁾ COBJ is a buy to budget program. Starting in FY 2015 procurement will not be combined with PMA-265's procurement, therefore resulting in an increase in unit cost. PMA-265 requirements no longer existed after FY 2014. FY 2017 unit cost increase is based on projected inflation and associated contract cost. FY 2019 unit cost increase is based on reduced number of units procured. Prior year does not reflect an additional 2 ALQ-214 units procured with PMA 265 funding. ⁽¹⁵⁾ The increase in FY 2015 Other Support supports the additional technical field support required to modify the ALQ-214s for the integration into the F/A-18 aircraft. FY 2016 through FY 2020 Other Support cost fluctuates in accordance with the "buy to budget" quantity of ALQ-214's procured in a fiscal year.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0576 / Common ECM Equipment	Modification Number / Title: 6 / CORRECTIONS OF DISCREPANCIES (OSIP 017-12)

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>)	0.687	0.336	0.330	0.463	-	0.463	0.458	-	-	-	-	2.274
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.687	0.336	0.330	0.463	-	0.463	0.458	-	-	-	-	2.274
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.687	0.336	0.330	0.463	-	0.463	0.458	-	-	-	-	2.274
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: This Operational Safety Improvement Program (OSIP) is for the correction of discrepancies and to effect changes to ALR-67(V) 2 system and electronic countermeasure equipment in aircraft that have been delivered for fleet operations. This system requires various upgrade initiative and logistic support to keep the F/A-18 a capable aircraft with a robust defensive system that improves its survivability. This OSIP will provide funding for the upgrade of the ALR-67(V) 2 computer, low band antenna, special receiver and quadrant receiver weapons replaceable assemblies.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The contractor will develop a Preliminary Design Review (PDR) for Program Control Unit (PCU)1 drawing package and prototype Circuit Card Assemblies (CCA), and perform Critical Design Review (CDR); conduct system testing, evaluations, environmental and qualification testing; modify Shop Replaceable Assemblies (SRA) with Diminished Manufacturing Source (DMS) issues and develop Acceptance Test Plans (ATP) and Engineering Change Proposals (ECP); and, verify testing and evaluations of new designs. The US Navy Fleet Support Team will provide system engineering qualification on aircraft, support equipment, and develop Technical directives and any additional Integrated Logistics Support (ILS) requirements. The US Navy and contractor software support activities will develop software integrations.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 6 / CORRECTIONS OF DISCREPANCIES (OSIP 017-12)					
Models of Systems Affected: F/A-18C/D/E/F				Modification Type: SAFETY/RELIABILITY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: CORRECTIONS OF DISCREPANCIES (OSIP 017-12)													
A Kits													
Recurring													
1.1.1) RR-2055 Special Receiver (SRA) - Organic		15 / 0.246	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.246	
1.1.2) RR-2055 Special Receiver ECP- TBD - Organic		- / -	- / -	- / -	7 / 0.270	- / -	7 / 0.270	8 / 0.270	- / -	- / -	- / -	15 / 0.540	
1.1.3) CP-1293 PCU-1 - Organic		- / 0.117	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.117	
Subtotal: Recurring		- / 0.363	- / -	- / -	- / 0.270	- / -	- / 0.270	- / 0.270	- / -	- / -	- / -	- / 0.903	
Non-Recurring													
1.2.1) Installation Kits NR - Organic		- / -	- / -	- / 0.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.130	
Subtotal: Non-Recurring		- / 0.000	- / -	- / 0.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.130	
Subtotal: CORRECTIONS OF DISCREPANCIES (OSIP 017-12)		15 / 0.363	- / -	- / 0.130	7 / 0.270	- / -	7 / 0.270	8 / 0.270	- / -	- / -	- / -	30 / 1.033	
Subtotal: Procurement, All Modification Items		- / 0.363	- / -	- / 0.130	- / 0.270	- / -	- / 0.270	- / 0.270	- / -	- / -	- / -	- / 1.033	
Support (All Modification Items)													
3.1) Engineering Change Orders		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support ⁽¹⁶⁾		- / 0.324	- / 0.336	- / 0.200	- / 0.193	- / -	- / 0.193	- / 0.188	- / -	- / -	- / -	- / 1.241	
3.7) Interim Contractor Support		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support		- / 0.324	- / 0.336	- / 0.200	- / 0.193	- / -	- / 0.193	- / 0.188	- / -	- / -	- / -	- / 1.241	
Installation													
Subtotal: Installation		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)		0.687	0.336	0.330	0.463	-	0.463	0.458	-	-	-	2.274	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0576 / Common ECM Equipment			Modification Number / Title: 6 / CORRECTIONS OF DISCREPANCIES (OSIP 017-12)	
Modification Item 1 of 1: CORRECTIONS OF DISCREPANCIES (OSIP 017-12)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - RR-2055 Special Receiver (SRA)					Installation Quantity: 15		
Method of Implementation (Organic): Not Installed - RR-2055 Special Receiver ECP- TBD							
Method of Implementation (Organic): Not Installed - RR-2055 Special Receiver ECP- TBD					Installation Quantity: 15		
Footnotes: ⁽¹⁶⁾ Other Support in FY14 - FY17 is to fund RR-2055 Special Receiver procurement receipt and modification.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment					Modification Number / Title: 7 / ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15)			
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>)	0.000	-	0.732	0.718	-	0.718	0.925	0.851	0.956	-	-	4.182
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	0.732	0.718	-	0.718	0.925	0.851	0.956	-	-	4.182
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	0.732	0.718	-	0.718	0.925	0.851	0.956	-	-	4.182
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: DESCRIPTION/JUSTIFICATION: This Operational Safety Improvement Program (OSIP) is for the correction of discrepancies to affect changes to assault Electronic Countermeasure (ECM) equipment in aircraft that have been delivered for fleet operations. These ECM systems require various upgrade initiatives and logistic support to keep these aircraft mission capable with a robust defensive system that ensures its survivability. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The contract will modify shop replaceable assemblies with diminished manufacturing source issues and conduct engineering change proposals, and verify testing and evaluations of modification designs. The United States Navy Fleet Support Team will provide system engineering qualifications on aircraft, support equipment, write technical directives, upgrade technical data and perform any additional integrated logistics support requirements. United States Navy and contractor software support activities will integrate software as needed.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 7 / ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15)					
Models of Systems Affected: MH-SH-60 R/S, AH-1W				Modification Type: SAFETY/RELIABILITY				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15)													
B Kits													
Recurring													
2.1.1) Infrared Source - Organic	- / -	- / -	- / -	120 / 0.600	- / -	120 / 0.600	168 / 0.818	168 / 0.746	168 / 0.839	- / -	- / -	624 / 3.003	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.600	- / -	- / 0.600	- / 0.818	- / 0.746	- / 0.839	- / -	- / -	- / 3.003	
Non-Recurring													
2.2.1) B-Kits NRE - Organic	- / -	- / -	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.600	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.600	
Subtotal: ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15)	- / -	- / -	- / 0.600	120 / 0.600	- / -	120 / 0.600	168 / 0.818	168 / 0.746	168 / 0.839	- / -	- / -	624 / 3.603	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 0.600	- / 0.600	- / -	- / 0.600	- / 0.818	- / 0.746	- / 0.839	- / -	- / -	- / 3.603	
Support (All Modification Items)													
3.1) Other Support	- / -	- / -	- / 0.132	- / 0.118	- / -	- / 0.118	- / 0.107	- / 0.105	- / 0.117	- / -	- / -	- / 0.579	
3.2) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / 0.132	- / 0.118	- / -	- / 0.118	- / 0.107	- / 0.105	- / 0.117	- / -	- / -	- / 0.579	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	0.732	0.718	-	0.718	0.925	0.851	0.956	-	-	4.182	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0576 / Common ECM Equipment			Modification Number / Title: 7 / ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15)	
Modification Item 1 of 1: ASSAULT CORRECTION OF DISCREPANCIES (OSIP 004-15)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - Infrared Source					Installation Quantity: 624		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment					Modification Number / Title: 8 / INACTIVE OSIPs			
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>	277.734	-	-	-	-	-	-	-	-	-	-	277.734
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	277.734	-	-	-	-	-	-	-	-	-	-	277.734
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	277.734	-	-	-	-	-	-	-	-	-	-	277.734
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0576 / Common ECM Equipment				Modification Number / Title: 8 / INACTIVE OSIPs					
Models of Systems Affected:			Modification Type:					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: INACTIVE OSIPs													
A Kits													
Recurring													
1.1.1) Inactive OSIP - Organic	- / 277.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 277.734	
Subtotal: Recurring	- / 277.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 277.734	
Subtotal: INACTIVE OSIPs	- / 277.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 277.734	
Subtotal: Procurement, All Modification Items	- / 277.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 277.734	
Support (All Modification Items)													
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	277.734	-	-	-	-	-	-	-	-	-	-	277.734	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0576 / Common ECM Equipment			Modification Number / Title: 8 / INACTIVE OSIPs		
Modification Item 1 of 1: INACTIVE OSIPs							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0577 / Common Avionics Changes					
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>)	2,312.413	117.594	153.067	202.745	13.988	216.733	197.734	173.428	176.789	124.861	636.941	4,109.560
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2,312.413	117.594	153.067	202.745	13.988	216.733	197.734	173.428	176.789	124.861	636.941	4,109.560
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,312.413	117.594	153.067	202.745	13.988	216.733	197.734	173.428	176.789	124.861	636.941	4,109.560
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds common avionics equipment for multiple aircraft. The specific modifications budgeted and programmed are: The Navigation Satellite Timing and Ranging Global Positioning System (GPS) program is designed to provide a highly accurate position and time to users worldwide in all weather conditions. The GPS will interface with communication, navigation, and weapon systems equipment (standard attitude heading reference systems, inertial navigation systems, on-board computers, etc.) in selected applications. GPS is a Department of Defense mandated requirement for all aircraft operating in the National Air Space System after the year 2000. Communication Navigation Surveillance/Air Traffic Management (CNS/ATM) provides civil upgrades to communications, navigation, and surveillance systems enabling shift from Air Traffic Control to Air Traffic Management in increasingly congested airspace and frequency spectrum. The Advanced Mission Computer and Display (AMC&D) capabilities including common modules and common Core System Software, will replace existing obsolete AV-8B Mission Systems Computer and aging/obsolete AN/AYK-14(V) Mission Computer and Contractor Furnished Equipment Displays. Aircrew Wireless Internal Communications System (AWICS) is a safety generated program that provides a wireless Internal Communication System (ICS) capability to prevent aircrew/passenger entanglement with ICS long cords in the event of mishap and allows unimpeded movement throughout the aircraft. Avionics Component Improvement Program (AvCIP) provides resources to address avionics component critical readiness degraders, performance reliability deficiencies, obsolescence threatening loss of sustainability and top Fleet operational or support cost drivers. Blue Force Situational Awareness (BFSA) actively or passively identify and track United States, allied, or coalition forces for the purpose of providing enhanced battle space situational awareness and reducing fratricide. Military Flight Operations Quality Assurance (MFOQA) provides the war fighter with timely and quantitative information regarding aircrew and system performance for improving safety, operational efficiency, and readiness.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0577 / Common Avionics Changes			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / Global Positioning System (GPS) (OSIP 71-88) (Common Avionics (Safety) (Added Capability))	P-3a		- / 371.720	- / 4.269	- / 3.060	- / 7.849	- / -	- / 7.849
2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ ATM) Systems (OSIP 21-01) (Common Avionics Modification)	P-3a		- / 631.996	- / 91.935	- / 136.845	- / 187.396	- / -	- / 187.396
3 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02) (Common Avionics Modification)	P-3a		- / 336.610	- / 1.045	- / -	- / -	- / -	- / -
4 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04) (Common Avionics Modification)	P-3a		- / 26.265	- / 0.903	- / 0.713	- / 0.500	- / -	- / 0.500
5 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09) (Common Avionics Modification)	P-3a		- / 5.821	- / 6.562	- / 3.823	- / 5.000	- / -	- / 5.000
6 / Blue Force Situational Awareness (OSIP 10-11) (Common Avionics Modification)	P-3a		- / 40.437	- / 12.120	- / -	- / -	- / 13.988	- / 13.988
7 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12) (Common Avionics Modification)	P-3a		- / 0.000	- / 0.760	- / 8.626	- / 2.000	- / -	- / 2.000
8 / Inactive OSIPs ()	P-3a		- / 899.564	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 2,312.413	- / 117.594	- / 153.067	- / 202.745	- / 13.988	- / 216.733
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / Global Positioning System (GPS) (OSIP 71-88) (Common Avionics (Safety) (Added Capability))	P-3a		- / 7.985	- / 8.090	- / 8.240	- / 8.405	- / 89.199	- / 508.817
2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ ATM) Systems (OSIP 21-01) (Common Avionics Modification)	P-3a		- / 182.296	- / 157.856	- / 161.067	- / 108.864	- / 267.501	- / 1,925.756
3 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02) (Common Avionics Modification)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 337.655
4 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04) (Common Avionics Modification)	P-3a		- / 0.453	- / 0.482	- / 0.482	- / 0.492	- / 61.584	- / 91.874
5 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09) (Common Avionics Modification)	P-3a		- / 5.000	- / 5.000	- / 5.000	- / 5.100	- / 136.834	- / 178.140
6 / Blue Force Situational Awareness (OSIP 10-11) (Common Avionics Modification)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 66.545
7 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12) (Common Avionics Modification)	P-3a		- / 2.000	- / 2.000	- / 2.000	- / 2.000	- / 81.823	- / 101.209
8 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 899.564
Total Gross/Weapon System Cost			- / 197.734	- / 173.428	- / 176.789	- / 124.861	- / 636.941	- / 4,109.560
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification:								

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft		P-1 Line Item Number / Title: 0577 / Common Avionics Changes
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
The overall goal of the modifications budgeted in Fiscal Year (FY) 2016 is to procure the common equipment required for the individual aircraft platforms.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 1 / Global Positioning System (GPS) (OSIP 71-88)

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>)	371.720	4.269	3.060	7.849	-	7.849	7.985	8.090	8.240	8.405	89.199	508.817
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	371.720	4.269	3.060	7.849	-	7.849	7.985	8.090	8.240	8.405	89.199	508.817
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	371.720	4.269	3.060	7.849	-	7.849	7.985	8.090	8.240	8.405	89.199	508.817
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Navigation Satellite Timing and Ranging (NAVSTAR) Global Positioning System (GPS) is designed to provide highly accurate position and time to users worldwide in all weather conditions. GPS will be integrated with communication, navigation, and weapon systems equipment (attitude heading reference systems, inertial navigation systems, mission computers, etc.). The program procures and modifies GPS equipment such as receivers, antennas, amplifiers, and protection technologies as required for naval aviation platforms. Navigation Warfare (NAVWAR) protection technologies protect a platform's GPS capability from GPS jamming and unintentional interference. Hardware configurations vary with each Type/Model/Series aircraft. The GPS Operational Requirement Document (ORD) 003-78 dated 22 January 1990 was based on an Air Force General Operating Requirement dated 28 January 1978. The Navy ORD for Enhanced GPS User Equipment for NAVWAR and GPS Modernization was approved on 7 June 2000.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The NAVSTAR GPS program completed Phase II (Full Scale Engineering Development) and completed Milestone IIIA (Approval for Limited Production) in June 1986. Milestone IIIB (Approval for Full Production) was completed in January 1992. The NAVWAR full rate production approval was received in June 2002. Research, Development, Test and Evaluation, Navy is funded under program element #0604777N.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 1 / Global Positioning System (GPS) (OSIP 71-88)					
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics (Safety) (Added Capability)				Related RDT&E PEs: 0604777N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Global Positioning System (GPS) (OSIP 71-88)													
A Kits													
Recurring													
1.1.1) NAVWAR (All Aircraft Excluding AV-8B) - NonOrganic ⁽¹⁾	411 / 11.165	12 / 1.005	- / -	24 / 2.352	- / -	24 / 2.352	27 / 2.779	29 / 2.900	29 / 2.929	29 / 2.869	131 / 13.028	692 / 39.027	
1.1.2) Archived ECPs - NonOrganic	121 / 3.359	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	121 / 3.359	
Subtotal: Recurring	- / 14.524	- / 1.005	- / -	- / 2.352	- / -	- / 2.352	- / 2.779	- / 2.900	- / 2.929	- / 2.869	- / 13.028	- / 42.386	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 4.303	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.303	
Subtotal: Non-Recurring	- / 4.303	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.303	
B Kits													
Recurring													
2.1.1) GPS - Organic	2,047 / 173.823	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,047 / 173.823	
2.1.2) NAVWAR - Organic ⁽²⁾	594 / 29.700	12 / 0.953	- / -	24 / 2.351	- / -	24 / 2.351	27 / 2.591	29 / 2.668	29 / 2.697	29 / 2.869	131 / 12.926	875 / 56.755	
Subtotal: Recurring	- / 203.523	- / 0.953	- / -	- / 2.351	- / -	- / 2.351	- / 2.591	- / 2.668	- / 2.697	- / 2.869	- / 12.926	- / 230.578	
Non-Recurring													
2.2.1) Installation Equipment N/R. - Organic	- / 24.126	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.126	
Subtotal: Non-Recurring	- / 24.126	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.126	
Subtotal: Global Positioning System (GPS) (OSIP 71-88)	3,173 / 246.476	24 / 1.958	- / -	48 / 4.703	- / -	48 / 4.703	54 / 5.370	58 / 5.568	58 / 5.626	58 / 5.738	262 / 25.954	3,735 / 301.393	
Subtotal: Procurement, All Modification Items	- / 246.476	- / 1.958	- / -	- / 4.703	- / -	- / 4.703	- / 5.370	- / 5.568	- / 5.626	- / 5.738	- / 25.954	- / 301.393	
Support (All Modification Items)													
3.1) NAVWAR Kit ECO	- / 3.212	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.212	
3.2) Data	- / 8.332	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.332	
3.3) Training Equipment - GPS	114 / 7.803	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	114 / 7.803	
3.4) Training Equipment - NAVWAR	3 / 0.529	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.529	
3.5) Support Equipment	- / 0.476	4 / 0.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.642	
3.6) ILS	- / 2.053	- / 0.269	- / 0.341	- / 0.342	- / -	- / 0.342	- / 0.348	- / 0.354	- / 0.354	- / 0.360	- / 4.773	- / 9.194	
3.7) Other Support	- / 97.231	- / 1.464	- / 1.719	- / 1.654	- / -	- / 1.654	- / 1.711	- / 1.706	- / 1.723	- / 1.759	- / 54.472	- / 163.439	
3.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes						Modification Number / Title: 1 / Global Positioning System (GPS) (OSIP 71-88)			
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics (Safety) (Added Capability)				Related RDT&E PEs: 0604777N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Subtotal: Support	- / 119.636	- / 1.899	- / 2.060	- / 1.996	- / -	- / 1.996	- / 2.059	- / 2.060	- / 2.077	- / 2.119	- / 59.245	- / 193.151	
Installation													
Modification Item 1 of 1: Global Positioning System (GPS) (OSIP 71-88)	- / 5.608	- / 0.412	- / 1.000	- / 1.150	- / -	- / 1.150	- / 0.556	- / 0.462	- / 0.537	- / 0.548	- / 4.000	- / 14.273	
Subtotal: Installation	- / 5.608	- / 0.412	- / 1.000	- / 1.150	- / -	- / 1.150	- / 0.556	- / 0.462	- / 0.537	- / 0.548	- / 4.000	- / 14.273	
Total													
Total Cost (Procurement + Support + Installation)	371.720	4.269	3.060	7.849	-	7.849	7.985	8.090	8.240	8.405	89.199	508.817	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 1 / Global Positioning System (GPS) (OSIP 71-88)

Modification Item 1 of 1: Global Positioning System (GPS) (OSIP 71-88)

Manufacturer Information

Manufacturer Name: The Boeing Company - All Aircraft (Excluding AV-8B)	Manufacturer Location: St. Louis, MO
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013		Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates	Jun 2016		May 2017	May 2018	May 2019	May 2020	May 2021

Installation Information

Method of Implementation: [none specified]:: Installation Name: NAVWAR (All Aircraft Excluding AV-8B)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	256 / 4.081	4 / 0.412	36 / 1.000	34 / 0.850	- / 0.000	34 / 0.850	- / -	- / -	- / -	- / -	- / -	330 / 6.343
FY 2014	- / -	- / -	- / -	12 / 0.300	- / -	12 / 0.300	- / -	- / -	- / -	- / -	- / -	12 / 0.300
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.556	- / -	- / -	- / -	- / -	24 / 0.556
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.462	- / -	- / -	- / -	27 / 0.462
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.537	- / -	- / -	29 / 0.537
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.548	- / -	29 / 0.548
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.554	29 / 0.554
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	131 / 3.446	131 / 3.446
Total	256 / 4.081	4 / 0.412	36 / 1.000	46 / 1.150	- / -	46 / 1.150	24 / 0.556	27 / 0.462	29 / 0.537	29 / 0.548	160 / 4.000	611 / 12.746

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	256	-	4	-	-	-	12	12	12	12	12	12	10	-	-	-	24	-	-	-	27	-	-	-	29	-	-	-	29	160	611
Out	256	-	4	-	-	-	12	12	12	12	12	12	10	-	-	-	24	-	-	-	27	-	-	-	29	-	-	-	29	160	611

Method of Implementation: [none specified]:: Installation Name: Archived ECPs

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	116 / 1.527	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	116 / 1.527

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 1 / Global Positioning System (GPS) (OSIP 71-88)

Modification Item 1 of 1: Global Positioning System (GPS) (OSIP 71-88)

Installation Information

Method of Implementation: [none specified]:: Installation Name: Archived ECPs

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	116 / 1.527	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	116 / 1.527

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116
Out	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116

Method of Implementation (Organic): Organic - GPS **Installation Quantity:** 2047

Method of Implementation (Organic): Organic - NAVWAR **Installation Quantity:** 875

Footnotes:

- (1) **Delivery of A-kits for F/A-18E/F and EA-18G commence 18 months after contract award and deliver at a rate of four (4) per month. **The F/A-18 depot requires a full squadron (12 aircraft) of kits before starting installs. Fleet fielding of NAVWAR for F/A-18 E/F and EA-18G starts in FY15 with kits ordered in FY12 (deliveries commenced 3Q of FY14). **Due to production line limitations and delays the FY13 kits will begin delivery in 4Q FY15 for installations in FY16. **Boeing notified the Contracting Officer on 5 December 2014, that due to production delays at Northrop Grumman, the delivery of 12 A-Kits procured with FY14 funds would be delayed one year (from FY15 to FY16) and will be installed in FY16. ** FY10, (63) P-3 A-Kits were turned over to PMA290 for installation. ** FY11, (16) MH-53 installs were turned over to PMA261 for installation. ** FY12, (2) A-Kits turned over to the Central Kitting Activity (CKA).
- (2) **B-Kit cost increases in FY16 due to loss of economic order quantity.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)

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>)	631.996	91.935	136.845	187.396	-	187.396	182.296	157.856	161.067	108.864	267.501	1,925.756
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	631.996	91.935	136.845	187.396	-	187.396	182.296	157.856	161.067	108.864	267.501	1,925.756
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	631.996	91.935	136.845	187.396	-	187.396	182.296	157.856	161.067	108.864	267.501	1,925.756
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Communication Navigation Surveillance/Air Traffic Management (CNS/ATM) provides new and enhanced hardware and software solutions leveraging open architecture where cost effective, to comply with national and worldwide civil and military airspace requirements. Solutions include communication, navigation, surveillance and supporting technologies that facilitate air traffic management, and other civil and military operational capabilities. Impacts of non-compliance with airspace standards will include operational delays, circuitously rerouting, or access denial to controlled airspace.

Prioritization of platform type and quantity is based on mission and anticipated operation in affected airspace. Required functionalities include Mode Select (S), 8.33 kHz Channel Spacing, Required Navigation Performance Area Navigation (RNP RNAV), Reduced Vertical Separation Minimum (RVSM), Automatic Dependent Surveillance - Broadcast (Out) (ADS-B(O)), Mission Planning integration, Protected Instrument Landing System, cockpit processing and display capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Capability Initial Operational Capabilities:

P-3C 8.33 kHz (FY11-FY14), ADS-B (O) (FY15-FY17)
 C-2A ADS-B(O) (FY14-FY17)
 K/C-130J 8.33 kHz (FY14), RNP RNAV (FY18)
 VH-60N 8.33 kHz (FY14-FY15), Mode S (FY14-FY15), RNP RNAV (FY14-FY15), ADS-B(O) (FY17-FY18)
 MH-53E 8.33 kHz (FY18), Mode S (FY15-FY18), RNP RNAV (FY15-FY22), ADS-B(O) (FY16-FY18)
 MH-60R/S 8.33 kHz (FY14), Mode S (FY13-FY15), RNP RNAV (FY17-FY20), ADS-B(O) (FY15-FY19)
 F/A-18C/D Mode S (FY13-FY14), RNP RNAV (FY10-FY17), RVSM (FY13-FY17), ADS-B(O) (FY13-FY18)
 F/A-18E/F RNP RNAV (FY10 -FY15), ADS-B(O) (FY13-FY19)
 EA-18G RNP RNAV (FY10-FY15), ADS-B(O) (FY13-FY19)
 MV-22B 8.33 kHz (FY14-FY15), Mode S (FY13-FY15), RNP RNAV (FY15-FY17), ADS-B(O) (FY16-FY19)
 AH-1Z/UH-1Y 8.33 kHz (FY14-FY15), Mode S (FY14-FY15), RNP RNAV (FY14-FY19), ADS-B(O) (FY14-FY20)
 T/AV-8B Mode S (FY18), RNP RNAV (FY13-FY18), RVSM (FY13-FY14), ADS-B(O) (FY16-FY20)
 F/A-18A+ Mode S (FY13-FY17), RNP RNAV (FY13-FY17), RVSM (FY13-FY17), ADS-B(O) (FY16-FY18)
 F/A-18A++ ADS-B(O) (FY16-FY18)
 C-130T Mode S (FY12-FY14), RNP RNAV (FY13-FY20), ADS-B(O) (FY13-FY16)
 KC-130T 8.33 kHz (FY12), Mode S (FY13-FY16)
 T-45 Mode S (FY15-FY16), RNP RNAV (FY17-FY20), ADS-B(O) (FY15-FY19)

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)
P-8A RNP RNAV (FY10-FY15), ADS-B(O) (FY15-FY19) E-2D 8.33 kHz (FY14), Mode S (FY14), RNP RNAV (FY14), ADS-B(O) (FY16-FY18) CH-53K 8.33 kHz (FY14-FY18), Mode S (FY14-FY18), RNP RNAV (FY14-FY18), ADS-B(O) (FY16-FY18) CH-53E ADS-B(O) (FY16-FY18) T-38C ADS-B(O) (FY16) UAS ADS-B (FY20-FY23), RNP RNAV (FY20-FY23), RVSM (FY20-FY23) NU-1B1 ADS-B (FY15) U-6A-2 ADS-B (FY15) O-2A-1 ADS-B (FY15) UH-72A-5 ADS-B (FY15-FY16) UV-18A-3 ADS-B (FY15)		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)					
Models of Systems Affected: All A/C as directed by OPNAV				Modification Type: Common Avionics Modification				Related RDT&E PEs: 0604215N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)													
A Kits													
Recurring													
1.1.1) CNS/ATM A-Kit (All other A/C excluding T-38 and TPS platforms) - NonOrganic ⁽³⁾	282 / 21.623	- / -	- / -	3 / 0.683	- / -	3 / 0.683	38 / 1.588	116 / 3.828	259 / 3.107	10 / 2.793	4 / 1.001	712 / 34.623	
1.1.2) CNS/ATM A-Kit (T-38 and TPS) - NonOrganic	- / -	- / -	12 / 0.036	10 / 0.136	- / -	10 / 0.136	- / -	- / -	- / -	- / -	- / -	22 / 0.172	
Subtotal: Recurring	- / 21.623	- / -	- / 0.036	- / 0.819	- / -	- / 0.819	- / 1.588	- / 3.828	- / 3.107	- / 2.793	- / 1.001	- / 34.795	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic ⁽⁴⁾	- / 27.717	- / 8.422	- / 9.965	- / 10.303	- / -	- / 10.303	- / 3.618	- / 0.386	- / -	- / -	- / -	- / 60.411	
Subtotal: Non-Recurring	- / 27.717	- / 8.422	- / 9.965	- / 10.303	- / -	- / 10.303	- / 3.618	- / 0.386	- / -	- / -	- / -	- / 60.411	
B Kits													
Recurring													
2.1.1) Installation Equipment - CNS/ATM Equip - Organic ⁽⁵⁾	1,039 / 100.733	14 / 1.393	112 / 6.104	34 / 5.018	- / -	34 / 5.018	76 / 10.370	154 / 22.535	294 / 53.737	28 / 17.931	4 / 1.146	1,755 / 218.967	
2.1.2) Installation Equipment - CNS/ATM P-ILS - Organic	713 / 2.731	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	713 / 2.731	
Subtotal: Recurring	- / 103.464	- / 1.393	- / 6.104	- / 5.018	- / -	- / 5.018	- / 10.370	- / 22.535	- / 53.737	- / 17.931	- / 1.146	- / 221.698	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁶⁾	14 / 165.168	- / 41.821	2 / 72.763	1 / 99.442	- / -	1 / 99.442	- / 68.998	- / 43.561	- / 34.174	- / 38.940	- / 131.628	17 / 696.495	
Subtotal: Non-Recurring	- / 165.168	- / 41.821	- / 72.763	- / 99.442	- / -	- / 99.442	- / 68.998	- / 43.561	- / 34.174	- / 38.940	- / 131.628	- / 696.495	
Subtotal: Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)	2,048 / 317.972	14 / 51.636	126 / 88.868	48 / 115.582	- / -	48 / 115.582	114 / 84.574	270 / 70.310	553 / 91.018	38 / 59.664	8 / 133.775	3,219 / 1,013.399	
Subtotal: Procurement, All Modification Items	- / 317.972	- / 51.636	- / 88.868	- / 115.582	- / -	- / 115.582	- / 84.574	- / 70.310	- / 91.018	- / 59.664	- / 133.775	- / 1,013.399	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 1.447	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.447	
3.2) Data ⁽⁷⁾	- / 11.032	- / 0.100	- / 0.112	- / 0.743	- / -	- / 0.743	- / 2.285	- / 1.164	- / 1.019	- / -	- / -	- / 16.455	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)				
Models of Systems Affected: All A/C as directed by OPNAV			Modification Type: Common Avionics Modification					Related RDT&E PEs: 0604215N				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
3.3) Training ⁽⁸⁾	20 / 21.227	- / 0.365	- / 2.687	- / 4.210	- / -	- / 4.210	- / 8.923	- / 10.321	- / 2.973	- / 2.730	- / 11.855	20 / 65.291
3.4) Support Equipment	- / 0.896	- / 0.011	- / 0.138	- / 0.277	- / -	- / 0.277	- / 0.193	- / 0.299	- / 0.187	- / -	- / -	- / 2.001
3.5) ILS ⁽⁹⁾	- / 7.602	- / 0.990	- / 3.777	- / 4.942	- / -	- / 4.942	- / 4.653	- / 3.946	- / 3.649	- / 1.094	- / 0.875	- / 31.528
3.6) Other Support ⁽¹⁰⁾	- / 242.440	- / 36.249	- / 41.203	- / 61.359	- / -	- / 61.359	- / 80.767	- / 69.343	- / 53.106	- / 30.985	- / 116.611	- / 732.063
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 284.644	- / 37.715	- / 47.917	- / 71.531	- / -	- / 71.531	- / 96.821	- / 85.073	- / 60.934	- / 34.809	- / 129.341	- / 848.785
Installation												
Modification Item 1 of 1: Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)	- / 29.380	- / 2.584	- / 0.060	- / 0.283	- / -	- / 0.283	- / 0.901	- / 2.473	- / 9.115	- / 14.391	- / 4.385	- / 63.572
Subtotal: Installation	- / 29.380	- / 2.584	- / 0.060	- / 0.283	- / -	- / 0.283	- / 0.901	- / 2.473	- / 9.115	- / 14.391	- / 4.385	- / 63.572
Total												
Total Cost (Procurement + Support + Installation)	631.996	91.935	136.845	187.396	-	187.396	182.296	157.856	161.067	108.864	267.501	1,925.756

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)				
Modification Item 1 of 1: Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)												
Manufacturer Information												
Manufacturer Name: Various ⁽¹¹⁾						Manufacturer Location: Various						
Administrative Leadtime (in Months): 4						Production Leadtime (in Months): 11						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates			Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020					
Delivery Dates			Dec 2016	Dec 2017	Dec 2018	Dec 2019	Dec 2020					
Manufacturer Name: Various ⁽¹²⁾						Manufacturer Location: Various						
Administrative Leadtime (in Months): 3						Production Leadtime (in Months): 2						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates		Dec 2014	Dec 2015									
Delivery Dates		Feb 2015	Feb 2016									
Installation Information												
Method of Implementation: All A/C except T-38, NU-1B-1, U-6A-2, O-2A-1, UH-72A-5, UV-18A-3:: Installation Name: CNS/ATM A-Kit												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	272 / 29.380	5 / 2.584	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	277 / 31.964
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.901	- / -	- / -	- / -	- / -	3 / 0.901
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 2.473	- / -	- / -	- / -	38 / 2.473
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	116 / 9.115	- / -	- / -	116 / 9.115
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	259 / 14.391	- / -	259 / 14.391
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.039	10 / 3.039
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.346	4 / 1.346
Total	272 / 29.380	5 / 2.584	- / -	- / -	- / -	- / -	3 / 0.901	38 / 2.473	116 / 9.115	259 / 14.391	14 / 4.385	707 / 63.229

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)

Modification Item 1 of 1: Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)

Installation Information

Method of Implementation: All A/C except T-38, NU-1B-1, U-6A-2, O-2A-1, UH-72A-5, UV-18A-3:: Installation Name: CNS/ATM A-Kit

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	272	1	1	1	2	-	-	-	-	-	-	-	-	1	1	1	-	9	9	10	10	29	29	29	29	64	65	65	65	14	707
Out	272	1	1	1	2	-	-	-	-	-	-	-	-	1	1	1	-	9	9	10	10	29	29	29	29	64	65	65	65	14	707

Method of Implementation: T-38, NU-1B-1, U-6A-2, O-2A-1, UH-72A-5, UV-18A-3:: Installation Name: CNS/ATM A-Kit (T-38 and TPS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	12 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.060
FY 2016	- / -	- / -	- / -	10 / 0.283	- / -	10 / 0.283	- / -	- / -	- / -	- / -	- / -	10 / 0.283
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	12 / 0.060	10 / 0.283	- / -	10 / 0.283	- / -	- / -	- / -	- / -	- / -	22 / 0.343

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	4	4	4	-	3	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
Out	-	-	-	-	-	-	4	4	4	-	3	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22

Method of Implementation (Organic): Organic - Installation Equipment - CNS/ATM Equip

Installation Quantity: 1755

Method of Implementation (Organic): Organic - Installation Equipment - CNS/ATM P-ILS

Installation Quantity: 713

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 2 / Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)
Modification Item 1 of 1: Communication - Navigation - Surveillance / Air Traffic Management (CNS/ATM) Systems (OSIP 21-01)		
Installation Information		
Method of Implementation (Organic): Not Installed - Installation Equipment N/R		Installation Quantity: 17
Footnotes: (3) Cost per quantity variation is due to variation in platforms, platform quantities, associated equipment per platform, and cost per equipment. ** B-Kit quantities differ from A-Kits where B-Kits consist of a card or module that will be integrated without A-Kit requirement. ** Installation Kit/Installation Equipment quantities reflect number of units procured, installation quantity reflects number of aircraft. ** Certifications are based on analysis and do not necessarily reflect integration. ** Production Lead Time is acceptable and does not impact induction of aircraft due to length of aircraft modification. ** To explain prior year delta, FY12 PMA209 procured (5) P-3A A-Kits, and PMA290 funded correlating installs. (4) ** The growth in FY14 - FY16 in A-Kit N/R is due to the ramp up of the RNP RNAV capability for the MH-53E platform. ** The growth in FY16 in A-Kit N/R is due to the ramp up of the ADS-B (Out) capability for the T-45 platform. (5) ** FY14, PMA209 procured (14) MH-53E B-Kits. No A-Kit or install required for plug and play B-Kit. ** FY15, PMA209 will procure (100) F/A-18 A-D APX Mode S upgrade B-Kits, there will be no A-Kit or install required for APX Mode S upgrade kits. ** FY16, PMA209 will procure (2) MH-53E A-Kits, B-Kit will be provided by Central Kitting Activity. ** FY16, PMA209 will procure (23) F/A-18 A-D APX Mode S upgrade B-Kits, there will be no A-Kit or install required for APX Mode S upgrade kits. ** FY17, PMA209 will procure (70) F/A-18 A-D B-Kits; of those B-Kits, (38) will be APX Mode S upgrade B-Kits (no A-Kit or install required) and (32) of the B-Kits will be RT-1157 B-Kits and correspond with (32) A-Kits reflected in FY17 and (32) installs reflected in FY18. ** FY18, PMA209 will procure (38) F/A-18 A-D APX Mode S upgrade B-Kits, there will be no A-Kit or install required for APX Mode S upgrade kits. ** FY19 and FY20 B-Kit quantities differ from A-Kits because there is no MH-60R A-Kit requirement in FY19 or FY20. (6) ** The growth in FY17 - FY20 in B-Kit N/R is due to the additional ADS-B (Out) funding received. CNS/ATM had existing ADS-B (Out) requirements already in the existing budget, however, funding received for additional platforms to meet the Fact-of-Life Federal Aviation Administration (FAA) Mandate. (7) ** Data effort is funded at the completion of integration efforts. ** The growth in FY16 - FY19 in Data is due to the additional ADS-B (Out) funding received. CNS/ATM had existing ADS-B (Out) requirements already in the existing budget, however, funding received for additional platforms to meet the Fact-of-Life Federal Aviation Administration (FAA) Mandate. (8) ** The growth in FY15 - FY20 in Training is due to the additional ADS-B (Out) funding received. CNS/ATM had existing ADS-B (Out) requirements already in the existing budget, however, funding received for additional platforms to meet the Fact-of-Life Federal Aviation Administration (FAA) Mandate. (9) ** The growth in FY15 - FY20 in ILS is due to the additional ADS-B (Out) funding received. CNS/ATM had existing ADS-B (Out) requirements already in the existing budget, however, funding received for additional platforms to meet the Fact-of-Life Federal Aviation Administration (FAA) Mandate. (10) ** The growth in FY16 - FY20 in Other Support is due to the increase of ADS-B funding. CNS/ATM had existing ADS-B (Out) requirements already in the existing budget, however, funding received for additional platforms to meet the Fact-of-Life Federal Aviation Administration (FAA) Mandate. (11) All other aircraft excluding T-38, NU-1B-1, U-6A-2, O-2A-1, UH-72A-5, UV-18A-3 (12) T-38, NU-1B-1, U-6A-2, O-2A-1, UH-72A-5, UV-18A-3		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 3 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)

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>)	336.610	1.045	-	-	-	-	-	-	-	-	-	337.655
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	336.610	1.045	-	-	-	-	-	-	-	-	-	337.655
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	336.610	1.045	-	-	-	-	-	-	-	-	-	337.655
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Advanced Mission Computer and Displays (AMC&D) program modifies/replaces existing obsolete and performance limited AN/AYK-14(V) Mission Computers and Contractor Furnished Equipment and Displays in naval aviation platforms. The program system consists of an Advanced Mission Computer (AMC) technologies which includes areas such as Mission Processing and Display Processing, Display Heads (DH), High-Speed Data Bus interfaces with Fiber Channel Network Switches (FCNS), Core system software, and multi-functional 8x10 Multipurpose Color Displays (MPCD). AMC&D system will have modular components integrated on an Open Systems Architecture so that it can be tailored and configured for multiple applications implementing common core system software and hardware modules. The capabilities address new performance requirements and technologies while minimizing the investment cost so that it can be tailored and configured for each application, and can address new performance requirements and technologies with minimum cost. AMC&D will provide improved mission computers and displays to handle increased requirement for flight, mission, and imagery data. Due to obsolescence problems with the current Multipurpose Color Display (MPCD), the AMC&D program is leveraging the 5x5 DH to provide a form, fit, function and interface replacement (no install funding required). The program conducts analysis on parts obsolescence and its associated resolutions, which will be required to maintain current AMC&D configuration and to determine life of type procurements as required for platform installations. AMC&D Mission Need Statement - M061-88-94 of 2 December 1994. AMC&D Operational Requirements Document Ser. No. 549-88-00 Approved 21 March 2000. MPCD production buys began in FY02 (no installation required) and AMC&D Low Rate Initial Production buys began in FY01 with Full Rate Production buys beginning in FY04. The F/A-18E/F Retrofit Program (began in FY06) goal is to achieve a 2-block configuration. Block 1 aircraft include Lots 23-25 and Block 2 includes Lots 26 and above. Block 1 will consist of replacing the AN/AYK-14 computers in Lots 23-24 and replacing the AMC with a newer configuration AMC in Lot 25. The computers are obtained as part of a reuse program from Block 2 portion of the upgrade and all Lots will require an A-Kit. Lots 26 and 27 of Block 2 are provisioned to accept all Weapons Replaceable Assemblies (WRAs) for Block 2. The FY06 procurement for Lots 26 consisted of FCNS, displays and digital video mapping card. The FY06 procurement for Lot 27 consisted of displays, Digital Video Map Computer, and upgrade to a card in the AMC. To maintain the common block configuration, new AMCs are procured for both Lots in the out years. The AMCs removed from Lots 26 and 27 will be part of the reuse to the Block 1 configuration. The AMCs procured for Lot 28 and 29 do not require installation costs since they are a form fit function replacement for as-delivered AMCs. The systems removed from Lots 28 and 29 will be part of the reuse process. The FY08, 09 and 10 procurements include B-Kits to provide digital output for the 8x10 AMPD High Resolution Recorder Interface to address a Commander, Operational Test and Evaluation Force finding of poor ready room playback quality of the current analog video signal.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: AMC and 5x5 displays Critical Design Review (CDR) - 2nd Qtr. FY01. FCNS CDR - 4th Qtr. FY01, 8x10 CDR - 2nd Qtr. FY02. F/A-18E/F: Operational Evaluation (OPEVAL) - 2nd Qtr. FY03, Milestone III - 4th Qtr. FY04, OA - 3rd Qtr. FY02, Follow-On Test and Evaluation (FOT&E) 3rd Qtr. FY04. AV-8B DT-IIB-2 - 4th Qtr. FY01, OPEVAL - 4th Qtr. FY02, Milestone III - 2nd Qtr. FY03. 8x10 Displays Milestone III 2nd Qtr. FY06. Due to variation in lead times, B-Kits are procured in year 1, A-Kits in year 2 and Installs in year 3. B-Kit lead time 19 months, A-Kit lead time 8 months.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 3 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 3 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)					
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics Modification				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)													
A Kits													
Recurring													
1.1.1) AMC&D Kits - Organic ⁽¹³⁾	261 / 2.376	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	261 / 2.376	
1.1.2) PY Installs - Organic	- / 0.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.418	
Subtotal: Recurring	- / 2.794	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.794	
B Kits													
Recurring													
2.1.1) AMC&D / MPCD Equip - Organic	957 / 182.335	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	957 / 182.335	
Subtotal: Recurring	- / 182.335	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 182.335	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 90.599	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 90.599	
Subtotal: Non-Recurring	- / 90.599	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 90.599	
Subtotal: Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)	1,218 / 275.728	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,218 / 275.728	
Subtotal: Procurement, All Modification Items	- / 275.728	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 275.728	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 8.502	- / 0.356	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.858	
3.2) Data	- / 1.427	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.427	
3.3) Training Equipment	- / 1.926	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.926	
3.4) Support Equipment	- / 3.131	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.131	
3.5) ILS	- / 9.996	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.996	
3.6) Other Support	- / 35.900	- / 0.689	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.589	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 60.882	- / 1.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 61.927	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 3 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)				
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics Modification				Related RDT&E PEs:					
Financial Plan		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
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total													
Total Cost (Procurement + Support + Installation)		336.610	1.045	-	-	-	-	-	-	-	-	-	337.655

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes			Modification Number / Title: 3 / Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)	
Modification Item 1 of 1: Advanced Mission Computer & Displays (AMC&D)/ Multipurpose Color Display (MPCD) (OSIP 01-02)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - AMC&D Kits					Installation Quantity: 261		
Method of Implementation (Organic): Organic - AMC&D / MPCD Equip					Installation Quantity: 957		
Footnotes: (13) **In Prior Years, (52) A-Kits were turned over to PMA265 for install. Cost can be found under PY's Install cost element.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 4 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)

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)	26.265	0.903	0.713	0.500	-	0.500	0.453	0.482	0.482	0.492	61.584	91.874
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	26.265	0.903	0.713	0.500	-	0.500	0.453	0.482	0.482	0.492	61.584	91.874
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	26.265	0.903	0.713	0.500	-	0.500	0.453	0.482	0.482	0.492	61.584	91.874
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Aircrew Wireless Internal Communications System (AWICS) is a safety generated program that provides a wireless Internal Communication System (ICS) capability to prevent aircrew/passenger entanglement with ICS long cords in the event of mishap and allows unimpeded movement throughout the aircraft. The priority for fielding is determined by the aircraft that are most likely to experience a long-cord entanglement scenario during a water ditching event. Long cord entanglement and subsequent drowning has been documented as a cause of death in various mishap investigations. The program will procure new and/or modify existing equipment for Naval aircraft as necessary to facilitate the elimination of the long cord danger while maintaining the aircraft's existing ICS capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Installation Decision (Unencrypted) 3rd Quarter 2006.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 4 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)					
Models of Systems Affected: All A/C as directed by OPNAV				Modification Type: Common Avionics Modification				Related RDT&E PEs:					
Financial Plan		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
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement													
Modification Item 1 of 1: Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)													
A Kits													
Recurring													
1.1.1) Installation Kits (A-Kits) - NonOrganic ⁽¹⁴⁾		500 / 1.631	34 / 0.092	16 / 0.043	6 / 0.021	- / -	6 / 0.021	2 / 0.010	2 / 0.010	2 / 0.007	2 / 0.009	1,017 / 5.492	1,581 / 7.315
Subtotal: Recurring		- / 1.631	- / 0.092	- / 0.043	- / 0.021	- / -	- / 0.021	- / 0.010	- / 0.010	- / 0.007	- / 0.009	- / 5.492	- / 7.315
Non-Recurring													
1.2.1) Installation Kits N/R - Organic		- / 0.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.333
Subtotal: Non-Recurring		- / 0.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.333
B Kits													
Recurring													
2.1.1) AWICS Equip - Organic ⁽¹⁵⁾		545 / 6.038	- / -	- / -	2 / -	- / -	2 / -	2 / -	2 / -	2 / -	2 / -	1,017 / 41.016	1,572 / 47.054
Subtotal: Recurring		- / 6.038	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.016	- / 47.054
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic		- / 1.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.605
Subtotal: Non-Recurring		- / 1.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.605
Subtotal: Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)		1,045 / 9.607	34 / 0.092	16 / 0.043	8 / 0.021	- / -	8 / 0.021	4 / 0.010	4 / 0.010	4 / 0.007	4 / 0.009	2,034 / 46.508	3,153 / 56.307
Subtotal: Procurement, All Modification Items		- / 9.607	- / 0.092	- / 0.043	- / 0.021	- / -	- / 0.021	- / 0.010	- / 0.010	- / 0.007	- / 0.009	- / 46.508	- / 56.307
Support (All Modification Items)													
3.1) Data		- / 0.226	- / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.246
3.2) Engineering Change Orders		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment		- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100
3.4) Support Equipment		- / 0.289	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.289
3.5) ILS		- / 1.264	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.280
3.6) Other Support		- / 11.769	- / 0.639	- / 0.605	- / 0.463	- / -	- / 0.463	- / 0.422	- / 0.451	- / 0.454	- / 0.457	- / 4.285	- / 19.545
3.7) Interim Contractor Support		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support		- / 13.648	- / 0.675	- / 0.605	- / 0.463	- / -	- / 0.463	- / 0.422	- / 0.451	- / 0.454	- / 0.457	- / 4.285	- / 21.460
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes						Modification Number / Title: 4 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)			
Models of Systems Affected: All A/C as directed by OPNAV				Modification Type: Common Avionics Modification				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Modification Item 1 of 1: Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)	- / 3.010	- / 0.136	- / 0.065	- / 0.016	- / -	- / 0.016	- / 0.021	- / 0.021	- / 0.021	- / 0.026	- / 10.791	- / 14.107	
<i>Subtotal: Installation</i>	- / 3.010	- / 0.136	- / 0.065	- / 0.016	- / -	- / 0.016	- / 0.021	- / 0.021	- / 0.021	- / 0.026	- / 10.791	- / 14.107	
Total													
Total Cost (Procurement + Support + Installation)	26.265	0.903	0.713	0.500	-	0.500	0.453	0.482	0.482	0.492	61.584	91.874	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 4 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)

Modification Item 1 of 1: Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)

Manufacturer Information

Manufacturer Name: TBD ⁽¹⁶⁾				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates	Mar 2014	Mar 2015	Mar 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020

Installation Information

Method of Implementation: Contractor or USN Field Mod Team:: Installation Name: Installation Kits (A-Kits)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	479 / 3.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	479 / 3.010
FY 2014	- / -	34 / 0.136	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 0.136
FY 2015	- / -	- / -	16 / 0.065	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.065
FY 2016	- / -	- / -	- / -	4 / 0.016	- / -	4 / 0.016	2 / 0.021	- / -	- / -	- / -	- / -	6 / 0.037
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.021	- / -	- / -	- / -	2 / 0.021
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.021	- / -	- / -	2 / 0.021
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.026	- / -	2 / 0.026
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.026	2 / 0.026
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,017 / 10.765	1,017 / 10.765
Total	479 / 3.010	34 / 0.136	16 / 0.065	4 / 0.016	- / -	4 / 0.016	2 / 0.021	2 / 0.021	2 / 0.021	2 / 0.026	1,019 / 10.791	1,560 / 14.107

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	479	-	11	11	12	-	5	5	6	-	1	1	2	2	-	-	-	1	1	-	-	1	1	-	-	1	1	-	-	1,019	1,560
Out	479	-	11	11	12	-	5	5	6	-	1	1	2	2	-	-	-	1	1	-	-	1	1	-	-	1	1	-	-	1,019	1,560

Method of Implementation (Organic): Organic - AWICS Equip **Installation Quantity:** 1572

Footnotes:

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 4 / Aircrew Wireless Internal Communications System (AWICS) (OSIP 09-04)
⁽¹⁴⁾ ^{**}(18) Prior Year A-Kits (CH-53E and MV-22B) to be installed in FY13 were returned to Central Kitting Activity (CKA) and will not be installed. FY15, Per OPNAV N98's direction continuing unencrypted for the MH-60S for the AWICS. ⁽¹⁵⁾ ^{**} FY14 (34), FY15 (16), FY16 (4) - (54) B-Kits provided by CKA for MH-60S Unencrypted. ^{**} FY16, FY17, and FY18, HH-60H B-Kits are using kits at CKA, no funding required. ^{**} FY19 and FY20, CH53E B-Kits are using kits at CKA, no funding required. ⁽¹⁶⁾ Administrative and Procurement lead time for Unencrypted A-Kits (MH-60S) from FY13 - FY16 is 6 months - A-Kits will be procured and installed in the same Fiscal Year (FY). Administrative and Procurement lead time for Encrypted A-Kits (CH/MH-53E, MH/HH-60H/S, MV-22B, UH-1Y) from FY16 - To Complete is 13 months - A-Kits will be procured in one FY and installed in the next.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 5 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09)

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 (\$ in Millions)	5.821	6.562	3.823	5.000	-	5.000	5.000	5.000	5.000	5.100	136.834	178.140
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	5.821	6.562	3.823	5.000	-	5.000	5.000	5.000	5.000	5.100	136.834	178.140
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5.821	6.562	3.823	5.000	-	5.000	5.000	5.000	5.000	5.100	136.834	178.140
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Avionics Component Improvement Program (AvCIP) provides resources to address critical readiness, reliability deficiencies, obsolescence, loss of sustainability, and top fleet repair cost drivers in naval avionics systems. In the year prior to execution, candidate projects from all Type/Model/Series are collected, reviewed, competed and selected based upon proposal solution maturity, ability to execute, mission criticality and urgency, degree of readiness impact or Fleet maintenance or repair cost burden, return on investment, and Fleet advocacy. AvCIP was established under the OSD Business Initiative Council as a better business practice to address cost-wise readiness in support of Naval Aviation Enterprise efficiency objectives. AvCIP is funded by both; Research, Development Test & Evaluation, Navy, and Aircraft Procurement, Navy (APN), accounts to cover Non-Recurring Engineering (NRE) for design/development or re-design/modification, demonstrations, integration testing, prototype/lab asset development, qualification testing and engineering and logistics documentation and support services. APN funds will cover NRE to insert modern technology to address poor performance or obsolescence (that threatens to down aircraft), and support project modification component procurements, as required. Follow-on procurements tails will be coordinated with Program Offices and their Operational, Safety and Improvement Programs (OSIPs), as required.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: AvCIP project selection criteria include proposed solution maturity and executability. Target project length to start fielding the solution is 12-18 months. Procurements below are representative of initial project lab asset purchases for qualification and productionization validation. Units may be transferred to Fleet platforms as operational assets. Future year specific development profiles/milestones will be dependent upon projects competed and selected. Multiple projects may be selected each year.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 5 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09)					
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics Modification				Related RDT&E PEs: 0604215N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Avionics Component Improvement Program (AvCIP) (OSIP 11-09)													
B Kits													
Recurring													
2.1.1) AvCIP B-Kits - NonOrganic ⁽¹⁷⁾	- / -	8 / 4.606	10 / 1.700	12 / 2.098	- / -	12 / 2.098	12 / 2.098	12 / 2.098	12 / 2.098	12 / 2.198	150 / 47.320	228 / 64.216	
Subtotal: Recurring	- / 0.000	- / 4.606	- / 1.700	- / 2.098	- / -	- / 2.098	- / 2.098	- / 2.098	- / 2.098	- / 2.198	- / 47.320	- / 64.216	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽¹⁸⁾	- / 2.784	- / -	- / 1.250	- / 1.852	- / -	- / 1.852	- / 1.752	- / 1.752	- / 1.752	- / 1.752	- / 64.375	- / 77.269	
Subtotal: Non-Recurring	- / 2.784	- / -	- / 1.250	- / 1.852	- / -	- / 1.852	- / 1.752	- / 1.752	- / 1.752	- / 1.752	- / 64.375	- / 77.269	
Subtotal: Avionics Component Improvement Program (AvCIP) (OSIP 11-09)	- / 2.784	8 / 4.606	10 / 2.950	12 / 3.950	- / -	12 / 3.950	12 / 3.850	12 / 3.850	12 / 3.850	12 / 3.950	150 / 111.695	228 / 141.485	
Subtotal: Procurement, All Modification Items	- / 2.784	- / 4.606	- / 2.950	- / 3.950	- / -	- / 3.950	- / 3.850	- / 3.850	- / 3.850	- / 3.950	- / 111.695	- / 141.485	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) ILS	- / 0.050	- / 0.135	- / 0.050	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 5.211	- / 5.946	
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / 2.987	- / 1.821	- / 0.323	- / 0.450	- / -	- / 0.450	- / 0.450	- / 0.450	- / 0.450	- / 0.450	- / 13.028	- / 20.409	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 3.037	- / 1.956	- / 0.373	- / 0.550	- / -	- / 0.550	- / 0.550	- / 0.550	- / 0.550	- / 0.550	- / 18.239	- / 26.355	
Installation													
Modification Item 1 of 1: Avionics Component Improvement Program (AvCIP) (OSIP 11-09)	- / 0.000	- / -	- / 0.500	- / 0.500	- / -	- / 0.500	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 6.900	- / 10.300	
Subtotal: Installation	- / 0.000	- / -	- / 0.500	- / 0.500	- / -	- / 0.500	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 6.900	- / 10.300	
Total													
Total Cost (Procurement + Support + Installation)	5.821	6.562	3.823	5.000	-	5.000	5.000	5.000	5.000	5.100	136.834	178.140	

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0577 / Common Avionics Changes			Modification Number / Title: 5 / Avionics Component Improvement Program (AvCIP) (OSIP 11-09)		

Modification Item 1 of 1: Avionics Component Improvement Program (AvCIP) (OSIP 11-09)

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 15			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019
Delivery Dates	Feb 2015	Feb 2016	Feb 2017	Feb 2018	Feb 2019	Feb 2020	Feb 2021

Installation Information

Method of Implementation: Equipment is provided to Platform PMA and installed as per airframe ECP/AFC:: Installation Name: AvC

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	8 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.500
FY 2015	- / -	- / -	- / -	10 / 0.500	- / -	10 / 0.500	- / -	- / -	- / -	- / -	- / -	10 / 0.500
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.600	- / -	- / -	- / -	- / -	12 / 0.600
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.600	- / -	- / -	- / -	12 / 0.600
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.600	- / -	- / -	12 / 0.600
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.600	- / -	12 / 0.600
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.600	12 / 0.600
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	150 / 6.300	150 / 6.300
Total	- / -	- / -	8 / 0.500	10 / 0.500	- / -	10 / 0.500	12 / 0.600	12 / 0.600	12 / 0.600	12 / 0.600	162 / 6.900	228 / 10.300

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	2	3	3	-	3	3	4	-	4	4	4	-	4	4	4	-	4	4	4	-	4	4	4	162	228
Out	-	-	-	-	-	-	2	3	3	-	3	3	4	-	4	4	4	-	4	4	4	-	4	4	4	-	4	4	4	162	228

Footnotes:

(17) There are no corresponding A-Kits associated with B-Kits. B-Kits and Installs are estimated based on engineering projections. Actual components to be determined during project selection in the year prior to execution, as outlined in project description/justification on P-3a.

(18) ** B-Kit/equipment modification funding is as follows: T/AV-8 T/M/S, C-2 T/M/S, H-53 T/M/S, E-2 T/M/S, E-6 T/M/S, EA-6B T/M/S, FA-18 T/M/S, H-1 T/M/S, H-60 T/M/S, P-3 T/M/S, T-45 T/M/S, VH T/M/S, MQ-8B/C modifications and Common Avionics Systems.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 6 / Blue Force Situational Awareness (OSIP 10-11)

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>	40.437	12.120	-	-	13.988	13.988	-	-	-	-	-	66.545
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	40.437	12.120	-	-	13.988	13.988	-	-	-	-	-	66.545
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	40.437	12.120	-	-	13.988	13.988	-	-	-	-	-	66.545
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Blue Force Situational Awareness (BFSA) employs techniques to actively or passively identify and track United States, allied, or coalition forces for the purpose of providing the decision-maker enhanced battlespace situational awareness and reducing fratricide. The program, led by the Army with joint participation, upgrades legacy Force XXI Battle Command Brigade (FBCB) and Below Blue Force Tracking (BFT) systems to the configuration required to meet the Joint Battle Command-Platform (JBC-P) Capability Development Document and to add JBC-P capability to other aircraft as directed by Office of the Chief of Naval Operations, providing joint, interoperable, secure, beyond line of sight, near real time, battle command networking and BFSA in the cockpit and the command centers.

Current Marine Air Ground Task Force (MAGTF) future force laydown plans shows Aviation Combat Elements (ACE) MAGTF elements will not change in Operation Freedom's Sentinel (OFS) through FY14. A MAGTF ACE element will remain deployed in OFS in order to support Special Operating Forces beyond FY14. BFSA is a Combatant Commander requirement for all aircraft operating in OFS. The endorsed Universal Need Statements (UNS) identify operational enhancement opportunities and deficiencies in capabilities. BFSA provides battlefield situational awareness and enables command and control which will facilitate ROEs and mitigates fratricide of Blue Forces in OFS. The following requirement documents establish and validate the need for BFSA equipment and system installations: JBC-P Capability Development Document (CDD) and Joint Requirements Oversight Council (JROC) Decision Memorandum 098-08 dated 6 May 2008; United States Marine Corps (USMC) Universal Needs Statement # 092418 dated December 2010; USMC Universal Needs Statement # 06153UB dated May 2006; USMC Universal Needs Statement #04138UC dated 12 November 2003. All requirement documents discuss the need for an in theater OSF requirement for two way BFSA capability and the requirement to equip USMC aircraft with FBCB2/BFT while exploring an integrated solution for emerging aircraft such as the MV-22, CH-53K, UH-1Y, and AH-1Z.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 6 / Blue Force Situational Awareness (OSIP 10-11)					
Models of Systems Affected: All Aircraft as directed by OPNAV				Modification Type: Common Avionics Modification				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Blue Force Situational Awareness (OSIP 10-11)													
A Kits													
Recurring													
1.1.1) BFSa Kit - NonOrganic ⁽¹⁹⁾		94 / 5.384	20 / 1.845	- / -	- / -	72 / 3.096	72 / 3.096	- / -	- / -	- / -	- / -	- / -	186 / 10.325
Subtotal: Recurring		- / 5.384	- / 1.845	- / -	- / -	- / 3.096	- / 3.096	- / -	- / -	- / -	- / -	- / -	- / 10.325
Non-Recurring													
1.2.1) Installation Kits N/R - Organic		- / 2.754	- / 0.438	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.192
Subtotal: Non-Recurring		- / 2.754	- / 0.438	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.192
B Kits													
Recurring													
2.1.1) BFSa Equip - Organic ⁽²⁰⁾		145 / 11.133	- / -	- / -	- / -	72 / 3.332	72 / 3.332	- / -	- / -	- / -	- / -	- / -	217 / 14.465
Subtotal: Recurring		- / 11.133	- / -	- / -	- / -	- / 3.332	- / 3.332	- / -	- / -	- / -	- / -	- / -	- / 14.465
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic		- / 6.464	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.464
Subtotal: Non-Recurring		- / 6.464	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.464
Subtotal: Blue Force Situational Awareness (OSIP 10-11)		239 / 25.735	20 / 2.283	- / -	- / -	144 / 6.428	144 / 6.428	- / -	- / -	- / -	- / -	- / -	403 / 34.446
Subtotal: Procurement, All Modification Items		- / 25.735	- / 2.283	- / -	- / -	- / 6.428	- / 6.428	- / -	- / -	- / -	- / -	- / -	- / 34.446
Support (All Modification Items)													
3.1) Engineering Change Orders		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS		- / 1.148	- / 0.920	- / -	- / -	- / 0.200	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / 2.268
3.6) Other Support		- / 10.182	- / 4.778	- / -	- / -	- / 2.200	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / 17.160
3.7) Interim Contractor Support		- / -	- / -	- / -	- / -	- / 1.800	- / 1.800	- / -	- / -	- / -	- / -	- / -	- / 1.800
Subtotal: Support		- / 11.330	- / 5.698	- / -	- / -	- / 4.200	- / 4.200	- / -	- / -	- / -	- / -	- / -	- / 21.228
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 6 / Blue Force Situational Awareness (OSIP 10-11)				
Models of Systems Affected: All Aircraft as directed by OPNAV			Modification Type: Common Avionics Modification				Related RDT&E PEs:					
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 1 of 1: Blue Force Situational Awareness (OSIP 10-11)	- / 3.372	- / 4.139	- / -	- / -	- / 3.360	- / 3.360	- / -	- / -	- / -	- / -	- / -	- / 10.871
Subtotal: Installation	- / 3.372	- / 4.139	- / -	- / -	- / 3.360	- / 3.360	- / -	- / -	- / -	- / -	- / -	- / 10.871
Total												
Total Cost (Procurement + Support + Installation)	40.437	12.120	-	-	13.988	13.988	-	-	-	-	-	66.545

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 6 / Blue Force Situational Awareness (OSIP 10-11)																							
Modification Item 1 of 1: Blue Force Situational Awareness (OSIP 10-11)																															
Manufacturer Information																															
Manufacturer Name: Various							Manufacturer Location: Various																								
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 7																								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020																								
Contract Dates	Mar 2014		Mar 2016																												
Delivery Dates	Oct 2014		Oct 2016																												
Installation Information																															
Method of Implementation: Contractor or USN Field Modification Team:: Installation Name: BFSa Kit																															
Installation Cost	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																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																			
Prior Years	62 / 3.372	53 / 3.488	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	115 / 6.860																			
FY 2014	- / -	- / 0.651	20 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.651																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / 3.360	- / 3.360	72 / -	- / -	- / -	- / -	- / -	72 / 3.360																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	62 / 3.372	53 / 4.139	20 / -	- / -	- / 3.360	- / 3.360	72 / -	- / -	- / -	- / -	- / -	207 / 10.871																			
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	62	13	13	13	14	5	5	5	5	-	-	-	-	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	207
Out	62	13	13	13	14	5	5	5	5	-	-	-	-	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	207
Method of Implementation (Organic): Organic - BFSa Equip														Installation Quantity: 217																	
Footnotes:																															

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 6 / Blue Force Situational Awareness (OSIP 10-11)
(19) ** Cost per quantity variation is due to variation in platforms, platform quantities, associated equipment per platform, and cost per equipment. ** FY13 & FY14 were submitted as OCO requests, but moved to Baseline. ** FY14 (20) A-Kits are OCO funded; installs will occur in FY15 with FY14 OCO funds. ** FY13, PMA209 funded (4) CH-53E installs for BFT variant to provision the BFT upgrade, with no associated A-Kit or B-Kit required. ** FY14, PMA209 funded (17) CH-53E installs for BFT variant to provision the BFT upgrade, with no associated A-Kit or B-Kit required. (20) ** FY12 PMA209 procured (16) CH-53E A-Kits with OCO funding, with no associated B-Kit or install. ** FY12, PMA209 procured (4) CH-53E B-Kits, with no associated A-Kit or install. B-Kits were turned over to the Central Kitting Activity (CKA). ** FY12, PMA209 procured (6) CH-53K B-Kits with OCO funding, platform program office procured corresponding A-Kits and funded corresponding installs. ** FY12, PMA209 procured (12) HH-60H B-Kits with OCO funding, platform program office procured corresponding A-Kits and funded corresponding installs. ** FY13, (10) Tactical Ops Center B-Kits have no A-Kits or installs associated.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 7 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)

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>)	0.000	0.760	8.626	2.000	-	2.000	2.000	2.000	2.000	2.000	81.823	101.209
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	0.760	8.626	2.000	-	2.000	2.000	2.000	2.000	2.000	81.823	101.209
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.760	8.626	2.000	-	2.000	2.000	2.000	2.000	2.000	81.823	101.209
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Military Flight Operations Quality Assurance (MFOQA) improves safety, readiness and asset conservation by assessing aircrew and aircraft performance; improving maintenance, operations, safety and training across all Naval Aviation platforms as identified and prioritized by the Office of the Chief of Naval Operations. Efforts will include software upgrades of the MFOQA product to operate with additional platforms. Efforts will also include site activations to ensure software is loaded on Squadrons' ground/workstations and users are trained to operate the software. The MFOQA program is directed by an Office of the Secretary of Defense mandate October 2005 and a Secretary of the Navy mandate February 2006.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Analysis of Alternatives approved September 2005; Capability Development Document approved September 2006; Capability Production Document approved June 2014.

Milestone B 1st Qtr. FY07, Milestone C 2nd Qtr. FY14, Initial Operational Capability (IOC) 3rd Qtr. FY14. Phase 2 Deployment Decision Review 4th Qtr. FY15.

Modifying baseline MFOQA software (90% reuse, 10% tailored to specific platform) for each follow-on platform. Software will be integrated on existing Fleet computers.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes				Modification Number / Title: 7 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)				
Models of Systems Affected: All Aircraft as directed by OPNAV			Modification Type: Common Avionics Modification					Related RDT&E PEs: 0604215N				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)												
B Kits												
Recurring												
2.1.1) MFOQA Installation Equipment - NonOrganic ⁽²¹⁾	- / -	29 / 0.012	38 / 0.012	49 / 0.038	- / -	49 / 0.038	47 / 0.032	32 / 0.022	1 / 0.001	1 / 0.001	111 / 0.099	308 / 0.217
Subtotal: Recurring	- / 0.000	- / 0.012	- / 0.012	- / 0.038	- / -	- / 0.038	- / 0.032	- / 0.022	- / 0.001	- / 0.001	- / 0.099	- / 0.217
Non-Recurring												
2.2.1) B-Kit Installation Equipment N/R - Organic ⁽²²⁾	- / -	- / -	- / 4.400	- / 0.268	- / -	- / 0.268	- / 0.504	- / 0.635	- / 1.150	- / 1.126	- / 10.395	- / 18.478
Subtotal: Non-Recurring	- / 0.000	- / -	- / 4.400	- / 0.268	- / -	- / 0.268	- / 0.504	- / 0.635	- / 1.150	- / 1.126	- / 10.395	- / 18.478
Subtotal: Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)	- / -	29 / 0.012	38 / 4.412	49 / 0.306	- / -	49 / 0.306	47 / 0.536	32 / 0.657	1 / 1.151	1 / 1.127	111 / 10.494	308 / 18.695
Subtotal: Procurement, All Modification Items	- / 0.000	- / 0.012	- / 4.412	- / 0.306	- / -	- / 0.306	- / 0.536	- / 0.657	- / 1.151	- / 1.127	- / 10.494	- / 18.695
Support (All Modification Items)												
3.1) Engineering Change Orders	- / -	- / 0.270	- / 0.298	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.161	- / 8.729
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.046	- / -	- / -	- / 0.540	- / 0.586
3.3) ILS ⁽²³⁾	- / -	- / 0.384	- / 0.166	- / 0.185	- / -	- / 0.185	- / 0.189	- / 0.193	- / 0.197	- / 0.201	- / 1.784	- / 3.299
3.4) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / -	- / 0.083	- / 2.824	- / 0.792	- / -	- / 0.792	- / 0.478	- / 0.498	- / 0.510	- / 0.527	- / 56.644	- / 62.356
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / 0.737	- / 3.288	- / 0.977	- / -	- / 0.977	- / 0.667	- / 0.737	- / 0.707	- / 0.728	- / 67.129	- / 74.970
Installation												
Modification Item 1 of 1: Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)	- / 0.000	- / 0.011	- / 0.926	- / 0.717	- / -	- / 0.717	- / 0.797	- / 0.606	- / 0.142	- / 0.145	- / 4.200	- / 7.544
Subtotal: Installation	- / 0.000	- / 0.011	- / 0.926	- / 0.717	- / -	- / 0.717	- / 0.797	- / 0.606	- / 0.142	- / 0.145	- / 4.200	- / 7.544
Total												
Total Cost (Procurement + Support + Installation)	0.000	0.760	8.626	2.000	-	2.000	2.000	2.000	2.000	2.000	81.823	101.209

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 7 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)

Modification Item 1 of 1: Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)

Manufacturer Information

Manufacturer Name: Government ⁽²⁴⁾	Manufacturer Location: Patuxent River, MD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 0

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019
Delivery Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019

Installation Information

Method of Implementation: Contractor or USN Field Mod Team:: Installation Name: MFOQA Installation Equipment

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	29 / 0.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.011
FY 2015	- / -	- / -	38 / 0.926	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 0.926
FY 2016	- / -	- / -	- / -	49 / 0.717	- / -	49 / 0.717	- / -	- / -	- / -	- / -	- / -	49 / 0.717
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	47 / 0.797	- / -	- / -	- / -	- / -	47 / 0.797
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.606	- / -	- / -	- / -	32 / 0.606
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.142	- / -	- / -	1 / 0.142
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.145	- / -	1 / 0.145
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	111 / 4.200	111 / 4.200
Total	- / -	29 / 0.011	38 / 0.926	49 / 0.717	- / -	49 / 0.717	47 / 0.797	32 / 0.606	1 / 0.142	1 / 0.145	111 / 4.200	308 / 7.544

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	7	7	7	8	9	9	10	10	12	12	12	13	12	11	12	12	8	8	8	8	1	-	-	-	1	-	-	-	111	308
Out	-	7	7	7	8	9	9	10	10	12	12	12	13	12	11	12	12	8	8	8	8	1	-	-	-	1	-	-	-	111	308

Footnotes:

⁽²¹⁾ ** There are no corresponding A-Kits associated with B-Kits. ** B-Kits and install cost vary across platforms. Total quantities increased due to requirement to provide F/A-18 squadrons unclassified maintenance capability. **Technical Correction to MFOQA realigned funding from RDT&EN to APN5 in FY15 and FY16 due to early completion of Phase 2. ** FY14, Phase 1 production installs begin. ** FY16, Phase 2 production installs begin.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0577 / Common Avionics Changes	Modification Number / Title: 7 / Military Flight Operations Quality Assurance (MFOQA) (OSIP 011-12)
(22) ** FY14, Phase 1 Fixed Wing development completed. FY16, Phase 2 Rotary Wing development completed which constitutes Military Flight Operations Quality Assurance Software (SW) Baseline. Follow-on Phase 3 and beyond for all aircraft will be APN-5 due to being a modification of existing SW Baseline. ** Cost fluctuations under B-Kit Non-Recurring, ECO, Other Support, and ILS cost elements are associated with fielding the following platforms: FY15 - F/A-18, FY16 - F/A-18, MH-60, H-53, AH-1Z, UH-1Y; FY17 - F/A-18, MH-60, H-53, AH-1Z, UH-1Y; FY18 - F/A-18, MH-60, H-53, AH-1Z, UH-1Y; FY19 - MH-60; FY20 - F/A-18. (23) ** FY16, Program transitions from RDT&EN to APN-5 following completion of development efforts in Phase 1 & 2. Subsequent Phases 3 thru 8 are budgeted for in To Complete for all cost categories due to delayed planned platform tailoring and reduced Military Flight Operations Quality Assurance funding to minimum required to sustain program. (24) Contract/Delivery dates are the same because Military Flight Operations Quality Assurance Software is pushed to the client members via Navy Marine Corps Intranet (NMCI). Procurements are delivered to squadrons at installation.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 8 / Inactive OSIPs			
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>	899.564	-	-	-	-	-	-	-	-	-	-	899.564
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	899.564	-	-	-	-	-	-	-	-	-	-	899.564
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	899.564	-	-	-	-	-	-	-	-	-	-	899.564
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0577 / Common Avionics Changes					Modification Number / Title: 8 / Inactive OSIPs			
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: N/A</i>													
<i>Subtotal: N/A</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Support (All Modification Items)													
3.1) Inactive OSIPs	- / 899.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 899.564	
<i>Subtotal: Support</i>	- / 899.564	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 899.564	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	899.564	-	-	-	-	-	-	-	-	-	-	899.564	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0577 / Common Avionics Changes			Modification Number / Title: 8 / Inactive OSIPs	
Modification Item 1 of 1: N/A							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Support Only Installation					Installation Quantity: 0		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0581 / Common Defensive Weapon System					
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>	68.265	4.254	1.958	3.062	-	3.062	4.451	2.366	2.157	2.199	7.794	96.506
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	68.265	4.254	1.958	3.062	-	3.062	4.451	2.366	2.157	2.199	7.794	96.506
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	68.265	4.254	1.958	3.062	-	3.062	4.451	2.366	2.157	2.199	7.794	96.506
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: The Common Defensive Weapon System (CDWS) consists of a GAU-21 .50 caliber Machine Gun, cradle, ammo box, feed/link chutes and a platform specific mount system. For the MV-22 CDWS, which is in production, Ramp Mount Weapon Systems (RMWS) will be procured. For the UH-1Y Platform Defense Armament System (DAS) mounts were procured. For the CH-53D/E Platforms, which is out of production, window mounts and ramp mounts were procured. CDWS was procured to replace obsolete GAU-16 and XM-218 .50 caliber Machine Guns. CDWS enhances the warfighters overall capability by providing a safer, more reliable and accurate weapon system with a higher rate of fire.												

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0581 / Common Defensive Weapon System

ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06) (MISSION/ MISSION ENHANCEMENT)	P-3a		- / 58.629	- / 4.254	- / 1.958	- / 3.062	- / -	- / 3.062
2 / INACTIVE OSIP/DAWDF Realignment ()	P-3a		- / 9.636	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 68.265	- / 4.254	- / 1.958	- / 3.062	- / -	- / 3.062
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06) (MISSION/ MISSION ENHANCEMENT)	P-3a		- / 4.451	- / 2.366	- / 2.157	- / 2.199	- / 7.794	- / 86.870
2 / INACTIVE OSIP/DAWDF Realignment ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 9.636
Total Gross/Weapon System Cost			- / 4.451	- / 2.366	- / 2.157	- / 2.199	- / 7.794	- / 96.506

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

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

Justification:

The FY 2016 funding request was reduced by \$621 thousand to account for the availability of prior year execution balances

FY 2014 funding will procure 46 modified Ramp Mounted Weapon System (RMWS) for the MV-22 aircraft and 16 CH-53 MAIRS Kits.

FY 2015 funding will procure 26 modified RMWS for the MV-22 aircraft.

FY 2016 funding will procure 41 modified RMWS for the MV-22 aircraft.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0581 / Common Defensive Weapon System	Modification Number / Title: 1 / COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)

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>)	58.629	4.254	1.958	3.062	-	3.062	4.451	2.366	2.157	2.199	7.794	86.870
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	58.629	4.254	1.958	3.062	-	3.062	4.451	2.366	2.157	2.199	7.794	86.870
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	58.629	4.254	1.958	3.062	-	3.062	4.451	2.366	2.157	2.199	7.794	86.870
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: The Common Defensive Weapon System (CDWS) consists of a GAU-21 .50 caliber Machine Gun, cradle, ammo box, feed/link chutes and a platform specific mount system. For the MV-22 CDWS, which is production, Ramp Mount Weapon Systems (RMWS) will be procured. For the UH-1Y Platform Defense Armament System (DAS) mounts were procured. For the CH-53D/E Platforms, which is out of production, window mounts and ramp mounts were procured. CDWS was procured to replace obsolete GAU-16 and XM-218 .50 caliber Machine Guns. CDWS enhances the warfighters overall capability by providing a safer, more reliable and accurate weapon system with a higher rate of fire.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The CDWS integration onto the MV-22 ramp will be completed in FY 2014 with full-rate procurement starting in FY 2014.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0581 / Common Defensive Weapon System					Modification Number / Title: 1 / COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)				
Models of Systems Affected: CH-53D/E, UH-1Y, MV-22			Modification Type: MISSION/MISSION ENHANCEMENT					Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)													
A Kits													
Recurring													
1.1.2) CH-53D/E - Organic		531 / 26.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	531 / 26.200	
1.1.3) MV-22 - Organic		3 / 3.000	46 / 3.011	26 / 1.733	41 / 2.743	- / -	41 / 2.743	62 / 4.041	31 / 2.192	27 / 1.942	27 / 1.981	97 / 6.926	
1.1.4) UH-1Y - Organic		221 / 17.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	221 / 17.000	
Subtotal: Recurring		- / 46.200	- / 3.011	- / 1.733	- / 2.743	- / -	- / 2.743	- / 4.041	- / 2.192	- / 1.942	- / 1.981	- / 6.926	
B Kits													
Recurring													
2.1.1) CH-53D/E - Organic		399 / 6.000	16 / 0.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	415 / 6.659	
Subtotal: Recurring		- / 6.000	- / 0.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.659	
Subtotal: COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)		1,154 / 52.200	62 / 3.670	26 / 1.733	41 / 2.743	- / -	41 / 2.743	62 / 4.041	31 / 2.192	27 / 1.942	27 / 1.981	97 / 6.926	
Subtotal: Procurement, All Modification Items		- / 52.200	- / 3.670	- / 1.733	- / 2.743	- / -	- / 2.743	- / 4.041	- / 2.192	- / 1.942	- / 1.981	- / 6.926	
Support (All Modification Items)													
3.1) Data		- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	
3.2) Support Equipment		- / 1.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.700	
3.3) ILS		- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000	
3.4) Other Support ⁽¹⁾		- / 2.329	- / 0.584	- / 0.225	- / 0.319	- / -	- / 0.319	- / 0.410	- / 0.174	- / 0.215	- / 0.218	- / 0.868	
3.5) Interim Contractor Support		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) ECO		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) Training Equipment		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support		- / 6.429	- / 0.584	- / 0.225	- / 0.319	- / -	- / 0.319	- / 0.410	- / 0.174	- / 0.215	- / 0.218	- / 0.868	
Installation													
Subtotal: Installation		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)		58.629	4.254	1.958	3.062	-	3.062	4.451	2.366	2.157	2.199	7.794	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0581 / Common Defensive Weapon System			Modification Number / Title: 1 / COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)	
Modification Item 1 of 1: COMMON DEFENSE WEAPON SYSTEM (OSIP 003-06)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - CH-53D/E					Installation Quantity: 531		
Method of Implementation (Organic): Organic - MV-22					Installation Quantity: 360		
Method of Implementation (Organic): Organic - UH-1Y					Installation Quantity: 221		
Method of Implementation (Organic): Organic - CH-53D/E					Installation Quantity: 415		
Footnotes: ⁽¹⁾ [Other Support] Procurement of the gun system starts in FY 2014. First fielding and support requires non-recurring investment for Operator/Armorer training, tooling, and on-site support for first install. This along with introducing the systems at United States Marine Corps major Command elements will be completed using FY 2014 support dollars. Support cost for the follow on procurements does not require the same level of support. This is reflected in the reduction as a reduction through the FYDP.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0581 / Common Defensive Weapon System						Modification Number / Title: 2 / INACTIVE OSIP/DAWDF Realignment		

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>	9.636	-	-	-	-	-	-	-	-	-	-	9.636
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	9.636	-	-	-	-	-	-	-	-	-	-	9.636
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	9.636	-	-	-	-	-	-	-	-	-	-	9.636
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Inactive OSIPs prior year totals.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0581 / Common Defensive Weapon System					Modification Number / Title: 2 / INACTIVE OSIP/DAWDF Realignment			
Models of Systems Affected:				Modification Type:				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> INACTIVE OSIP/DAWDF Realignment													
B Kits													
Non-Recurring													
1.1.1) Inactive OSIP/DAWDF Realignment - Organic	- / 9.636	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.636
<i>Subtotal: Non-Recurring</i>	- / 9.636	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.636	
<i>Subtotal: INACTIVE OSIP/DAWDF Realignment</i>	- / 9.636	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.636	
<i>Subtotal: Procurement, All Modification Items</i>	- / 9.636	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.636	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	9.636	-	-	-	-	-	-	-	-	-	-	9.636	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0581 / Common Defensive Weapon System			Modification Number / Title: 2 / INACTIVE OSIP/DAWDF Realignment		
Modification Item 1 of 1: INACTIVE OSIP/DAWDF Realignment							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0582 / ID Sys					
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>	152.441	38.303	38.880	48.206	-	48.206	51.853	49.925	46.792	47.719	15.214	489.333
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	152.441	38.303	38.880	48.206	-	48.206	51.853	49.925	46.792	47.719	15.214	489.333
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	152.441	38.303	38.880	48.206	-	48.206	51.853	49.925	46.792	47.719	15.214	489.333
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: MARK (MK) XIIA Mode 5 provides improved secure cooperative combat identification via the Identification Friend or Foe (IFF) system. Mode 5 compatibility is part of the Combat Identification Family of Systems strategy employed by US and North Atlantic Treaty Organization/Allied forces and will improve situational awareness, reduce fratricide, reduce enemy disruption of IFF functions and ensure the safe return of friendly aircraft. The DoD implementation is governed by AIMS 03-1000A and USN requirements defined in ORD # 577-06-01 and is designed to be compatible with civilian IFF modes to ensure interoperability of military and civilian aircraft. Mode 5 is a product improvement which is designed to be installed through engineering changes to digital MARK XII IFF Systems (interrogators and transponders) and their associated cryptographic material.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0582 / ID Sys			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / Mark XIIA Mode 5 IFF (OSIP 15-03) (Capability Improvement)	P-3a		- / 152.441	- / 38.303	- / 38.880	- / 48.206	- / -	- / 48.206
Total Gross/Weapon System Cost			- / 152.441	- / 38.303	- / 38.880	- / 48.206	- / -	- / 48.206
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / Mark XIIA Mode 5 IFF (OSIP 15-03) (Capability Improvement)	P-3a		- / 51.853	- / 49.925	- / 46.792	- / 47.719	- / 15.214	- / 489.333
Total Gross/Weapon System Cost			- / 51.853	- / 49.925	- / 46.792	- / 47.719	- / 15.214	- / 489.333
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

The FY 2016 funding request was reduced by \$10.081 million to account for the availability of prior year execution balances.

Joint Requirements Oversight Council Memorandums (047-07 and 122-08) endorsed a Mode 5 Joint Initial Operational Capability in FY14 and Joint Full Operational Capability in 2020. Navy Initial Operational Capability was achieved in FY12. NSA declared Identification Friend or Foe Mode 4 unsecure and obsolete on 5 Nov 2003. Mode 5 provides added security and more data transmissions than Mode 4. Additionally, Mode 5 will use a spread spectrum waveform, which reduces susceptibility to interference.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0582 / ID Sys	Modification Number / Title: 1 / Mark XIIA Mode 5 IFF (OSIP 15-03)

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>)	152.441	38.303	38.880	48.206	-	48.206	51.853	49.925	46.792	47.719	15.214	489.333
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	152.441	38.303	38.880	48.206	-	48.206	51.853	49.925	46.792	47.719	15.214	489.333
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	152.441	38.303	38.880	48.206	-	48.206	51.853	49.925	46.792	47.719	15.214	489.333
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

DESCRIPTION/JUSTIFICATION: MK XIIA Mode 5 provides improved secure cooperative combat identification via Identification Friend or Foe (IFF). Mode 5 compatibility is part of the Combat Identification Family of Systems strategy employed by US and North Atlantic Treaty Organization (NATO)/Allied forces and will improve situational awareness, reduce fratricide, reduce enemy disruption of IFF functions and ensure the safe return of friendly aircraft. The DoD implementation is governed by AIMS 03-1000A and USN requirements defined in ORD # 577-06-01 and is designed to be compatible with civilian IFF modes to ensure interoperability of military and civilian aircraft. Mode 5 upgrades existing Mode 4 IFF equipment, including cryptography, support equipment, and associated hardware and software changes. Mode 5 is designed to be installed through engineering changes to digital MARK XII interrogators and transponders and their associated cryptographic material including, but not limited to the AN/APX-118/123, AN/UPX-37/41C, AN/APX-111, and AN/APX-119. Joint Requirements Oversight Council Memorandums (047-07 and 122-08) endorsed a Mode 5 Joint Initial Operational Capability (JIOC) in FY14 and Joint Full Operational Capability (JFOC) in 2020. Navy IOC was achieved in FY12. Mode 5 will be installed in Navy/Marine Corp/Coast Guard Type/Model/Series aircraft which are currently Mode 4 IFF capable with retrofit phasing to support JIOC and JFOC.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Mode 5 completed a brassboard development in December 1997. Modeling and simulation to demonstrate interoperability was completed in February 1998 to support NATO Standardization Agreement (STANAG) development. Proof of concept flight testing completed in December 1999. Milestone B was completed in March 2003. Milestone C and Low Rate Initial Production was approved in July 2006. Full Rate Production (FRP) was approved July 2012. FRP procurements and Mode 5 Engineering Change Proposals on Navy/Marine Corp aircraft continue as the program continues towards JFOC in 2020.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0582 / ID Sys				Modification Number / Title: 1 / Mark XIIA Mode 5 IFF (OSIP 15-03)				
Models of Systems Affected: Various (49 Separate T / M/S)				Modification Type: Capability Improvement				Related RDT&E PEs: 0604777N				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: Mark XIIA Mode 5 IFF (OSIP 15-03)												
A Kits												
Recurring												
1.1.1) Mode 5 IFF NonOrganic - NonOrganic ⁽¹⁾	172 / 1.850	121 / 0.266	85 / 1.065	60 / 0.719	- / -	60 / 0.719	53 / 0.423	73 / 0.519	48 / 0.414	34 / 0.562	- / -	646 / 5.818
Subtotal: Recurring	- / 1.850	- / 0.266	- / 1.065	- / 0.719	- / -	- / 0.719	- / 0.423	- / 0.519	- / 0.414	- / 0.562	- / -	- / 5.818
B Kits												
Recurring												
2.1.1) Mode 5 IFF - NonOrganic ⁽²⁾	929 / 38.477	131 / 14.399	204 / 8.665	203 / 11.278	- / -	203 / 11.278	435 / 21.909	492 / 28.879	335 / 30.501	153 / 29.827	12 / 7.758	2,894 / 191.693
Subtotal: Recurring	- / 38.477	- / 14.399	- / 8.665	- / 11.278	- / -	- / 11.278	- / 21.909	- / 28.879	- / 30.501	- / 29.827	- / 7.758	- / 191.693
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic ⁽³⁾	- / 53.788	- / 6.527	- / 13.627	- / 19.914	- / -	- / 19.914	- / 12.230	- / 5.943	- / 2.091	- / 2.701	- / 1.540	- / 118.361
Subtotal: Non-Recurring	- / 53.788	- / 6.527	- / 13.627	- / 19.914	- / -	- / 19.914	- / 12.230	- / 5.943	- / 2.091	- / 2.701	- / 1.540	- / 118.361
Subtotal: Mark XIIA Mode 5 IFF (OSIP 15-03)	1,101 / 94.115	252 / 21.192	289 / 23.357	263 / 31.911	- / -	263 / 31.911	488 / 34.562	565 / 35.341	383 / 33.006	187 / 33.090	12 / 9.298	3,540 / 315.872
Subtotal: Procurement, All Modification Items	- / 94.115	- / 21.192	- / 23.357	- / 31.911	- / -	- / 31.911	- / 34.562	- / 35.341	- / 33.006	- / 33.090	- / 9.298	- / 315.872
Support (All Modification Items)												
3.1) Mode 5 IFF Kit ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data ⁽⁴⁾	- / 1.017	- / 0.376	- / 0.430	- / 0.370	- / -	- / 0.370	- / 0.562	- / 0.544	- / 0.590	- / 0.600	- / 0.220	- / 4.709
3.3) Training Equipment ⁽⁵⁾	- / 2.548	- / 0.827	- / 0.955	- / 0.774	- / -	- / 0.774	- / 3.080	- / 2.021	- / 1.534	- / 1.442	- / 0.301	- / 13.482
3.4) Support Equipment	- / 17.089	- / 0.538	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.627
3.5) ILS	- / 4.978	- / 1.978	- / 2.198	- / 2.176	- / -	- / 2.176	- / 2.243	- / 2.056	- / 2.022	- / 2.145	- / 1.000	- / 20.796
3.6) Other Support ⁽⁶⁾	- / 31.949	- / 11.700	- / 9.995	- / 11.090	- / -	- / 11.090	- / 10.082	- / 8.850	- / 7.802	- / 7.942	- / 2.519	- / 101.929
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 57.581	- / 15.419	- / 13.578	- / 14.410	- / -	- / 14.410	- / 15.967	- / 13.471	- / 11.948	- / 12.129	- / 4.040	- / 158.543
Installation												
Modification Item 1 of 1: Mark XIIA Mode 5 IFF (OSIP 15-03)	- / 0.745	- / 1.692	- / 1.945	- / 1.885	- / -	- / 1.885	- / 1.324	- / 1.113	- / 1.838	- / 2.500	- / 1.876	- / 14.918
Subtotal: Installation	- / 0.745	- / 1.692	- / 1.945	- / 1.885	- / -	- / 1.885	- / 1.324	- / 1.113	- / 1.838	- / 2.500	- / 1.876	- / 14.918
Total												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0582 / ID Sys						Modification Number / Title: 1 / Mark XIIA Mode 5 IFF (OSIP 15-03)			
Models of Systems Affected: Various (49 Separate T/ M/S)			Modification Type: Capability Improvement					Related RDT&E PEs: 0604777N				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Total Cost (Procurement + Support + Installation)	152.441	38.303	38.880	48.206	-	48.206	51.853	49.925	46.792	47.719	15.214	489.333

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0582 / ID Sys			Modification Number / Title: 1 / Mark XIIA Mode 5 IFF (OSIP 15-03)		

Modification Item 1 of 1: Mark XIIA Mode 5 IFF (OSIP 15-03)

Manufacturer Information

Manufacturer Name: BAE				Manufacturer Location: Greenlawn, NY			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019	Dec 2020

Installation Information

Method of Implementation: Field Installs Kits and Vendor Depot ECP Install:: Installation Name: Mark XIIA Mode 5 IFF

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	810 / 0.745	291 / 1.692	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,101 / 2.437
FY 2014	- / -	- / -	252 / 1.945	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	252 / 1.945
FY 2015	- / -	- / -	- / -	289 / 1.885	- / -	289 / 1.885	- / -	- / -	- / -	- / -	- / -	289 / 1.885
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	263 / 1.324	- / -	- / -	- / -	- / -	263 / 1.324
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	488 / 1.113	- / -	- / -	- / -	488 / 1.113
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	565 / 1.838	- / -	- / -	565 / 1.838
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	383 / 2.500	- / -	383 / 2.500
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	187 / 1.769	187 / 1.769
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.107	12 / 0.107
Total	810 / 0.745	291 / 1.692	252 / 1.945	289 / 1.885	- / -	289 / 1.885	263 / 1.324	488 / 1.113	565 / 1.838	383 / 2.500	199 / 1.876	3,540 / 14.918

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	810	75	75	75	66	62	63	63	64	72	72	72	73	65	66	66	66	121	122	122	123	140	141	142	142	95	96	96	96	199	3,540
Out	810	75	75	75	66	62	63	63	64	72	72	72	73	65	66	66	66	121	122	122	123	140	141	142	142	95	96	96	96	199	3,540

Footnotes:

(1) A-Kit Recurring unit prices vary from platform-to-platform based on the complexity of the implementation required to achieve the Mode 5 capability. Mode 5 IFF A-Kits will be required for installation on the AV-8B, C-130T, C-20, C-37, C-40, CH-53E, E-6B, F/A-18C/D, KC-130T, MH-53E, and UC-35 platforms along with the "B" kits. A-Kit applicability and phasing changes are due to refinement in platform requirements and complexity of integration. Many other platforms will only require "B" kits (e.g. Mode 5 upgrade of AN/APX-118 to AN/APX-123 is a form, fit replacement in the aircraft). Installation costs vary by platform based on the implementation required to achieve the Mode 5 capability. A-kit overall quantity change due to platform requirements changes and inclusion of United States Coast Guard aircraft.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0582 / ID Sys	Modification Number / Title: 1 / Mark XIIA Mode 5 IFF (OSIP 15-03)

(2) B-Kit Recurring unit cost varies based on what equipment is procured in each year. Installation costs vary by platform based on the implementation required to achieve the Mode 5 capability. The B-Kit solution varies (box or modification kit) from platform-to-platform based on the implementation required to achieve the Mode 5 capability, resulting in an AN/APX-123, AN/APX-111, or AN/APX-119. The AN/APX-111 CIT Mode 5 Kit and the AN/APX-119 Mode 5 Kit unit cost is more than three times the cost of the AN/APX-123 Mode 5 kit. That complexity also drives higher integration cost. AN/APX-123 boxes/kits have been procured and will continue throughout the program. AN/APX-111 box/kit procurements started in FY13. Procurement of the F/A-18 AN/APX-111 Receiver-Transmitter (R/T) Shop Replaceable Assembly (SRA), required to address Mode 5 transponder performance issues, is now included in the Mode 5 kit procurement. This results in an increase in cost, but no change in quantities. AN/APX-119 box/kit procurements start in FY15. B-kit total quantity has increased as platform requirements have changed. In addition to providing Mode 5, the systems will provide Mode S capability. PMA213 works closely with PMA209, who provides Mode S capability for platforms. To achieve full fielding of both the Mode 5 and Mode S capabilities, both PMA213 and PMA209 Budget Line Items (BLIs) integrate and install end items that are required to meet the full platform installation requirements. Prior Year Installs have been updated for actuals.

(3) B-Kit Non-Recurring increase in FY15 and FY16 to address Mode 5 transponder performance issues with the F/A-18 AN/APX-111 Receiver-Transmitter (R/T) Shop Replacement Assembly (SRA). B-kit NRE for this effort is required for full Mode 5 transponder functionality and intra-service interoperability. Some platform ECPs are more complex than others so the B-Kit Non-Recurring is based on the specific platform implementation. Out year increases are due to the delays in the Non-Recurring efforts for C-20, C-37 and C-40 platforms due to reprioritization of AV-8B.

(4) Data Costs are estimated based on platform requirements and phasing and increase as more platforms execute Mode 5 upgrades in a given year.

(5) Training costs are estimated based on platform requirements, e.g. operational and/or maintenance, and phased according to the platform schedule. For example, the increase in FY17 accounts for both operational and maintenance trainer upgrades for incorporation of the AN/APX-123 in AV-8B.

(6) Other Support costs are estimated based on the platform requirements and phasing and increase as more platforms execute Mode 5 upgrades in a given year.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0586 / P-8 Series					
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>	4.895	9.485	29.797	28.492	-	28.492	20.920	21.805	208.237	212.397	2,194.656	2,730.684
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	4.895	9.485	29.797	28.492	-	28.492	20.920	21.805	208.237	212.397	2,194.656	2,730.684
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	4.895	9.485	29.797	28.492	-	28.492	20.920	21.805	208.237	212.397	2,194.656	2,730.684
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: The P-8A is a commercial Boeing 737 derivative that provides Broad Area Maritime and Littoral Armed multi-mission support. The P-8A Multi-mission Maritime Aircraft (MMA) will replace the P-3 aircraft. OSIP 026-12 funds correction of deficiencies, the retrofit of future P-8A mission system/avionics as developed under P-8A sequential increment programs, and the modernization to the P-8 aircraft. Increment 2 Engineering Change Proposal (ECP) 1 includes Early Multi-Static Active Coherent Capability. Increment 2 ECP 2 includes upgrades to the Automatic Identification System, Full Multi-Static Active Coherent Capability, and Acoustic Processor Tech Refresh. Rapid Capability Insertion (RCI) ECP 3 includes upgrades to High Altitude Anti-Submarine Warfare Weapon Capability (HAAWC) Mid-Course guidance, and Network Enabled Weapon (NEW) Link-16 J11 message implementation. OSIP 006-18 (previously part of OSIP 026-12) funds P-8A Increment 3 and other Mission Systems improvements identified as part of the Rapid Capability Insertion process. Increment 3 includes upgrades to aircraft architecture, communication systems, Radar, ASW Signal Intelligence (Sigint), and 6th Workstation and Wideband Satellite Communications (SATCOM). OSIP 002-15 funds Chief of Naval Operations Project K-0416 program which provides a rapid response ASW intelligence collection, analysis, and reporting system program. The P-8A Mission Systems Upgrade program (OSIP 06-18) will ensure that the P-8A continues to meet the Navy's requirement to perform Anti-Submarine Warfare (ASW) and Anti-Surface Warfare (ASuW) and ISR Sea Control objectives by upgrading P-8A hardware, software and firmware mission systems components. The P-8A Aircraft Systems Upgrade Program (OSIP 001-19) will ensure that the P-8A incorporates modification to improve aircrew safety, supports changes in weapons and stores requirements, and incorporates structural enhancements to enable the airframe to reach its designed/extended service life.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0586 / P-8 Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			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)
1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12) (Mission Capabilities)	P-3a		- / 4.895	- / 9.485	- / 28.197	- / 26.892	- / -	- / 26.892
2 / CNO Project K-0416 (OSIP 002-15) (Operational Improvement)	P-3a		- / 0.000	- / -	- / 1.600	- / 1.600	- / -	- / 1.600
3 / P-8A Mission Systems RCI (OSIP 006-18) (TBD)	P-3a		- / 0.000	- / -	- / -	- / -	- / -	- / -
4 / P-8 Aircraft Systems (OSIP 001-19) ()	P-3a		- / 0.000	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 4.895	- / 9.485	- / 29.797	- / 28.492	- / -	- / 28.492
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12) (Mission Capabilities)	P-3a		- / 18.920	- / 13.969	- / 13.961	- / 3.839	- / 4.741	- / 124.899
2 / CNO Project K-0416 (OSIP 002-15) (Operational Improvement)	P-3a		- / 2.000	- / 2.000	- / 2.000	- / 2.000	- / 2.000	- / 13.200
3 / P-8A Mission Systems RCI (OSIP 006-18) (TBD)	P-3a		- / -	- / 5.836	- / 187.451	- / 202.083	- / 2,141.430	- / 2,536.800
4 / P-8 Aircraft Systems (OSIP 001-19) ()	P-3a		- / -	- / -	- / 4.825	- / 4.475	- / 46.485	- / 55.785
Total Gross/Weapon System Cost			- / 20.920	- / 21.805	- / 208.237	- / 212.397	- / 2,194.656	- / 2,730.684
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: The FY 2016 funding request was reduced by \$1.305 million to account for the availability of prior year execution balances. FY16 funds are for the retrofit of Increment 2 Engineering Change Proposal 2 Capabilities into P-8A aircraft and trainers. Program is currently budgeted to procure a total of 109 aircraft. Increment 2 and 3 procurements and installs are based on Aircraft and Trainer availability.								

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)

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)	4.895	9.485	28.197	26.892	-	26.892	18.920	13.969	13.961	3.839	4.741	124.899
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4.895	9.485	28.197	26.892	-	26.892	18.920	13.969	13.961	3.839	4.741	124.899
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4.895	9.485	28.197	26.892	-	26.892	18.920	13.969	13.961	3.839	4.741	124.899
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The P-8A is a commercial Boeing 737 derivative that provides Broad Area Maritime and Littoral Armed multi-mission support. The P-8A Multi-mission Maritime Aircraft (MMA) will replace the P-3 aircraft. OSIP 026-12 funds correction of deficiencies, the retrofit of future P-8A mission system/avionics as developed under P-8A sequential increment programs, and the modernization to the P-8 aircraft. This includes the requisite funding to implement various cost effective changes to critical P-8A Weapon systems, including Rapid Capability Improvements. These changes can be either airframe, avionic, or procedures. The correction of deficiencies includes software correction of deficiency Fleet Releases, 5.5KW Weapons Bay Heater, and other deficiencies that may be identified. Increment 2 Engineering Change Proposal (ECP) 1 includes Early Multi-Static Active Coherent Capability. Increment 2 ECP 2 includes upgrades to the Automatic Identification System, Full Multi-Static Active Coherent Capability, and Acoustic Processor Tech Refresh. Rapid Capability Insertion (RCI) ECP 3 includes upgrades to High Altitude Anti-Submarine Warfare Weapon Capability (HAAWC) Mid-Course guidance, and Network Enabled Weapon (NEW) Link-16 J11 message implementation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The P-8 Baseline program achieved Milestone (MS)-C in FY10.

Note: Increment 2 ECP 2 trainers are software modification only. No hardware installation required. Note: The Corrections of Deficiencies include the productionization test aircraft that will be returned to the fleet.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series					Modification Number / Title: 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)				
Models of Systems Affected: P-8A MMA				Modification Type: Mission Capabilities					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: P-8A Correction of Deficiencies and Modernization (OSIP 026-12)													
A Kits													
Recurring													
1.1.1) Increment 2 ECP 2 A Kit - NonOrganic	- / -	- / -	21 / 3.150	16 / 2.441	- / -	16 / 2.441	- / -	- / -	- / -	- / -	- / -	37 / 5.591	
1.1.2) RCI ECP 3 Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.030	9 / 0.045	18 / 0.092	18 / 0.093	10 / 0.052	61 / 0.312	
Subtotal: Recurring	- / 0.000	- / -	- / 3.150	- / 2.441	- / -	- / 2.441	- / 0.030	- / 0.045	- / 0.092	- / 0.093	- / 0.052	- / 5.903	
B Kits													
Recurring													
2.1.1) Correction of Deficiency - Organic ⁽¹⁾	- / 0.426	- / 2.245	- / 6.419	- / 6.288	- / -	- / 6.288	- / 8.413	- / 9.754	- / 9.196	- / -	- / -	- / 42.741	
2.1.2) Acoustics Processor Tech Refresh/Insertion - Organic	1 / 0.480	5 / 2.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.971	
2.1.3) Increment 2 ECP 1 B Kit - Organic	- / -	13 / 2.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 2.210	
2.1.4) Increment 2 ECP 2 B Kit - Organic	- / -	- / -	21 / 9.450	16 / 7.322	- / -	16 / 7.322	- / -	- / -	- / -	- / -	- / -	37 / 16.772	
2.1.5) RCI ECP 3 Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.090	9 / 0.135	18 / 0.275	18 / 0.279	10 / 0.155	61 / 0.934	
Subtotal: Recurring	- / 0.906	- / 6.946	- / 15.869	- / 13.610	- / -	- / 13.610	- / 8.503	- / 9.889	- / 9.471	- / 0.279	- / 0.155	- / 65.628	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / 1.865	- / 0.603	- / -	- / -	- / -	- / 1.810	- / -	- / -	- / -	- / -	- / 4.278	
Subtotal: Non-Recurring	- / 0.000	- / 1.865	- / 0.603	- / -	- / -	- / -	- / 1.810	- / -	- / -	- / -	- / -	- / 4.278	
Subtotal: P-8A Correction of Deficiencies and Modernization (OSIP 026-12)	1 / 0.906	18 / 8.811	42 / 19.622	32 / 16.051	- / -	32 / 16.051	12 / 10.343	18 / 9.934	36 / 9.563	36 / 0.372	20 / 0.207	215 / 75.809	
Subtotal: Procurement, All Modification Items	- / 0.906	- / 8.811	- / 19.622	- / 16.051	- / -	- / 16.051	- / 10.343	- / 9.934	- / 9.563	- / 0.372	- / 0.207	- / 75.809	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / -	- / -	- / 0.714	- / 0.725	- / -	- / 0.725	- / 0.850	- / 0.650	- / 0.500	- / 0.500	- / 0.500	- / 4.439	
3.3) APTR Training Equipment ⁽²⁾	9 / 3.989	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.989	
3.4) Increment 2 ECP 2 Trainers ⁽³⁾	- / -	- / -	12 / 4.800	3 / 1.200	- / -	3 / 1.200	2 / 0.800	- / -	- / -	- / -	- / -	17 / 6.800	
3.5) RCI ECP3 Trainers	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	15 / 0.750	15 / 0.763	15 / 0.776	8 / 0.420	59 / 3.009	
3.6) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.7) ILS	- / -	- / 0.316	- / 0.225	- / 0.355	- / -	- / 0.355	- / 0.574	- / 0.558	- / 0.500	- / 0.250	- / 0.250	- / 3.028	
3.8) Other Support ⁽⁴⁾	- / -	- / 0.358	- / 2.836	- / 3.311	- / -	- / 3.311	- / 2.053	- / 1.597	- / 1.615	- / 0.629	- / 1.300	- / 13.699	
3.9) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series						Modification Number / Title: 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)			
Models of Systems Affected: P-8A MMA				Modification Type: Mission Capabilities						Related RDT&E PEs:			
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: Support</i>	- / 3.989	- / 0.674	- / 8.575	- / 5.591	- / -	- / 5.591	- / 4.577	- / 3.555	- / 3.378	- / 2.155	- / 2.470	- / 34.964	
Installation													
<i>Modification Item 1 of 1:</i> P-8A Correction of Deficiencies and Modernization (OSIP 026-12)	- / 0.000	- / -	- / -	- / 5.250	- / -	- / 5.250	- / 4.000	- / 0.480	- / 1.020	- / 1.312	- / 2.064	- / 14.126	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 5.250	- / -	- / 5.250	- / 4.000	- / 0.480	- / 1.020	- / 1.312	- / 2.064	- / 14.126	
Total													
Total Cost (Procurement + Support + Installation)	4.895	9.485	28.197	26.892	-	26.892	18.920	13.969	13.961	3.839	4.741	124.899	

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series				Modification Number / Title: 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)				
Modification Item 1 of 1: P-8A Correction of Deficiencies and Modernization (OSIP 026-12)												
Manufacturer Information												
Manufacturer Name: Boeing - Increment 2 ECP 2							Manufacturer Location: Seattle, WA					
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 8					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates		Feb 2015	Feb 2016									
Delivery Dates		Oct 2015	Oct 2016									
Manufacturer Name: Boeing - RCI ECP 3 Kits							Manufacturer Location: Seattle, WA					
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 8					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates				Feb 2017	Feb 2018	Feb 2019	Feb 2020					
Delivery Dates				Oct 2017	Oct 2018	Oct 2019	Oct 2020					
Manufacturer Name: Boeing - RCI ECP 3 Trainers							Manufacturer Location: Seattle, WA					
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 8					
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates				Feb 2017	Feb 2018	Feb 2019	Feb 2020					
Delivery Dates				Oct 2017	Oct 2018	Oct 2019	Oct 2020					
Installation Information												
Method of Implementation: Contractor Field Mod Team:: Installation Name: Increment 2 ECP 2												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	21 / 5.250	- / -	21 / 5.250	- / -	- / -	- / -	- / -	- / -	21 / 5.250
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	16 / 4.000	- / -	- / -	- / -	- / -	16 / 4.000
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	21 / 5.250	- / -	21 / 5.250	16 / 4.000	- / -	- / -	- / -	- / -	37 / 9.250

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)

Modification Item 1 of 1: P-8A Correction of Deficiencies and Modernization (OSIP 026-12)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Increment 2 ECP 2

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	5	5	6	5	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	37
Out	-	-	-	-	-	-	-	-	-	-	5	5	6	5	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	37

Method of Implementation: Contractor Field Mod Team:: Installation Name: RCI 3 ECP 3 Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.180	- / -	- / -	- / -	6 / 0.180
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.270	- / -	- / -	9 / 0.270
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.549	- / -	18 / 0.549
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.558	18 / 0.558
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.310	10 / 0.310
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.180	9 / 0.270	18 / 0.549	28 / 0.868	61 / 1.867

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	3	4	4	5	5	28	61	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	3	4	4	5	33	61	

Method of Implementation: Contractor Field MOD TEAM:: Installation Name: RCI ECP3 Trainers

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)

Modification Item 1 of 1: P-8A Correction of Deficiencies and Modernization (OSIP 026-12)

Installation Information

Method of Implementation: Contractor Field MOD TEAM:: Installation Name: RCI ECP3 Trainers

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	- / -	- / -	- / -	6 / 0.300
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.750	- / -	- / -	15 / 0.750
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.763	- / -	15 / 0.763
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.776	15 / 0.776
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.420	8 / 0.420
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300	15 / 0.750	15 / 0.763	23 / 1.196	59 / 3.009

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	3	3	4	5	3	3	4	5	23	59
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	3	3	4	5	3	3	4	28	59

Method of Implementation (Organic): Organic - Acoustics Processor Tech Refresh/Insertion **Installation Quantity:** 6

Method of Implementation (Organic): Organic - Increment 2 ECP 1 B Kit **Installation Quantity:** 13

Method of Implementation (Organic): Organic - Increment 2 ECP 2 B Kit **Installation Quantity:** 37

Method of Implementation (Organic): Organic - RCI ECP 3 Kit **Installation Quantity:** 61

Footnotes:

- (1) The Corrections of Deficiencies include the productionization test aircraft that will be returned to the fleet.
- (2) Acoustic Processor Tech Refresh Trainer installs are integral to acceptance, inspection and checkout and are therefore included in line 3.3 APTR Training Equipment.
- (3) Increment 2 ECP 2 trainers are software modification only. No hardware installation required.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 1 / P-8A Correction of Deficiencies and Modernization (OSIP 026-12)
(4) Other support increased due to TAC MOBILE support to upgrade fielded equipment and modify associated mission planning and mission data software.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series						Modification Number / Title: 2 / CNO Project K-0416 (OSIP 002-15)		
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>)	0.000	-	1.600	1.600	-	1.600	2.000	2.000	2.000	2.000	2.000	13.200
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	1.600	1.600	-	1.600	2.000	2.000	2.000	2.000	2.000	13.200
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	1.600	1.600	-	1.600	2.000	2.000	2.000	2.000	2.000	13.200
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Chief of Naval Operations (CNO) Project K-0416 program provides a rapid response Anti-Submarine Warfare intelligence collection, analysis, and reporting system program focused on Operations Plan specific threat submarines, both conventional and nuclear. CNO K-0416 mission is to place high quality calibrated data on tape for subsequent exploitation and analysis. It is essential for submarine prosecution in deep and littoral water conditions in support of the Sea Shield/Sea Power 21 and preparation of the battle space. The program accomplishes this by introducing advanced collection avionics that operate with special calibrated sensors to provide threat target data for tactical, Science and Technology (S&T), and weapon design uses. The Sound Pressure Level Collection Suite that is installed on the P-8 mission kits contain several Weapons Replaceable Assembly's, both fabricated & procured. The Suite includes a 8201 modulation meter, a panasonic toughbook, and a Beartrap Automated Noise and Digital Integrated Test set. CNO K-0416 will calibrate P-8 Platforms, forward sited laboratories, and select forward deployed sites with these collection avionics to provide tactical and S&T Intelligence. Prime performer is the Naval Air Warfare Center (NAWC), Patuxent River. NAWC performs system integration, material acquisition, fabrication, and installation of collection systems. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: The changes identified are minor and do not require approval for full production.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series				Modification Number / Title: 2 / CNO Project K-0416 (OSIP 002-15)				
Models of Systems Affected: P-8A MMA				Modification Type: Operational Improvement				Related RDT&E PEs:				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement												
<i>Modification Item 1 of 1:</i> CNO Project K-0416 (OSIP 002-15)												
A Kits												
Recurring												
1.1.1) Airborne Anti-Submarine Warfare Intelligence Equipment - Organic	- / -	- / -	4 / 0.200	4 / 0.200	- / -	4 / 0.200	4 / 0.400	4 / 0.400	4 / 0.400	4 / 0.400	4 / 0.400	28 / 2.400
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.400	- / 0.400	- / 0.400	- / 0.400	- / 0.400	- / 2.400
B Kits												
Recurring												
2.1.1) Active Target Strength C2 - Organic	- / -	- / -	- / -	1 / 0.200	- / -	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	1 / 0.200	6 / 1.200
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 1.200
<i>Subtotal: CNO Project K-0416 (OSIP 002-15)</i>	- / -	- / -	4 / 0.200	5 / 0.400	- / -	5 / 0.400	5 / 0.600	5 / 0.600	5 / 0.600	5 / 0.600	5 / 0.600	34 / 3.600
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / 0.200	- / 0.400	- / -	- / 0.400	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 3.600
Support (All Modification Items)												
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / -	- / -	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 1.400
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Organic Support	- / -	- / -	- / 0.600	- / 0.400	- / -	- / 0.400	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 4.000
3.7) Interim Contractor Support	- / -	- / -	- / 0.600	- / 0.600	- / -	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 0.600	- / 4.200
<i>Subtotal: Support</i>	- / 0.000	- / -	- / 1.400	- / 1.200	- / -	- / 1.200	- / 1.400	- / 1.400	- / 1.400	- / 1.400	- / 1.400	- / 9.600
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	1.600	1.600	-	1.600	2.000	2.000	2.000	2.000	2.000	13.200

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0586 / P-8 Series			Modification Number / Title: 2 / CNO Project K-0416 (OSIP 002-15)	
Modification Item 1 of 1: CNO Project K-0416 (OSIP 002-15)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - Airborne Anti-Submarine Warfare Intelligence Equipment					Installation Quantity: 28		
Method of Implementation (Organic): Organic - Active Target Strength C2					Installation Quantity: 6		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 3 / P-8A Mission Systems RCI (OSIP 006-18)

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>)	0.000	-	-	-	-	-	-	5.836	187.451	202.083	2,141.430	2,536.800
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	5.836	187.451	202.083	2,141.430	2,536.800
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	5.836	187.451	202.083	2,141.430	2,536.800
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The P-8A is a commercial Boeing 737 derivative that provides Broad Area Maritime and Littoral Armed multi-mission support. The P-8A Mission Systems Upgrade program will ensure that the P-8A continues to meet the Navy's requirement to perform Anti-Submarine Warfare (ASW) and Anti-Surface Warfare (ASuW) and ISR Sea Control objectives. This line funds the retrofit of future P-8A mission system/avionics as developed under P-8A sequential increment programs and the modernization to the P-8 aircraft. This includes the requisite funding to implement various cost effective changes to critical P-8A Weapon systems, including Rapid Capability Improvements. These changes can be either avionic, airframe, or procedures. It funds Increment 3 (previously part of OSIP 26-12) which includes upgrades to aircraft architecture, communication systems, Radar, ASW Signal Intelligence (Sigint), and 6th Workstation and Wideband Satellite Communications (SATCOM). Mission System improvements include the following hardware, software and firmware mission systems modifications: Mission systems modifications to improve net-ready services; periodic technology insertions and functional improvements to increase processing growth to meet emerging threats; modifications to strengthen ASW/ASuW/ISR core capabilities; modifications to improve Command, Control, Computer, Communications and Intelligence (C4I) and interoperability capabilities; stability corrections and enhancements to sensor and survivability systems; modifications to incorporate SIGINT quick reaction capabilities (QRC) both on a temporary and permanent basis; implementation of mandated and fleet identified flight safety issues; modifications to provide increased aircrew situational awareness, less complicated operator machine interfaces or more accurate/detailed reference libraries; mission system correction of deficiencies identified as a result of testing; upgrades to mission systems hardware, software and firmware due to obsolescence; correction of operational mission system discrepancies; correction of safety deficiencies; modifications required to support applicable commercial service bulletins; and modifications intended to reduce life-cycle support costs.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The Increment 3 program is scheduled to achieve MS-C in FY19, however, technically mature capability may be incorporated early via ECPs under the RCI process.

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series					Modification Number / Title: 3 / P-8A Mission Systems RCI (OSIP 006-18)				
Models of Systems Affected: P-8A MMA				Modification Type: TBD					Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: P-8A Mission Systems RCI (OSIP 006-18)													
A Kits													
Recurring													
1.1.1) Increment 3 Architecture Upgrade A Kit - NonOrganic ⁽⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 22.500	8 / 20.340	92 / 245.810	109 / 288.650	
1.1.2) Increment 3 TACMobile A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.500	8 / 1.356	92 / 16.387	109 / 19.243	
1.1.3) Increment 3 Comms A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.750	8 / 0.678	92 / 8.194	109 / 9.622	
1.1.4) Increment 3 Radar Upgrade A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.000	8 / 2.712	92 / 32.775	109 / 38.487	
1.1.5) Increment 3 ASW Signit A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.000	8 / 2.712	92 / 32.775	109 / 38.487	
1.1.6) Increment 3 6th Workstation A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.500	8 / 1.356	92 / 16.387	109 / 19.243	
1.1.7) Increment 3 Wideband SATCOM A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.500	8 / 1.356	92 / 16.387	109 / 19.243	
1.1.8) Mission Systems RCI Upgrade A Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.675	10 / 1.350	94 / 12.690	109 / 14.715	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.425	- / 31.860	- / 381.405	- / 447.690	
B Kits													
Recurring													
2.1.1) Increment 3 Architecture Upgrade B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 67.500	8 / 61.020	92 / 737.430	109 / 865.950	
2.1.2) Increment 3 TACMobile B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.500	8 / 4.068	92 / 49.162	109 / 57.730	
2.1.3) Increment 3 Comms B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.250	8 / 2.034	92 / 24.581	109 / 28.865	
2.1.4) Increment 3 Radar Upgrade B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 9.000	8 / 8.136	92 / 98.324	109 / 115.460	
2.1.5) Increment 3 ASW Sigint B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 9.000	8 / 8.136	92 / 98.324	109 / 115.460	
2.1.6) Increment 3 6th Workstation B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.500	8 / 4.068	92 / 49.162	109 / 57.730	
2.1.7) Increment 3 Wideband SATCOM B Kit - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.500	8 / 4.068	92 / 49.162	109 / 57.730	
2.1.8) Mission Systems RCI Upgrade B Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.875	10 / 3.750	94 / 35.250	109 / 40.875	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 103.125	- / 95.280	- / 1,141.395	- / 1,339.800	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽⁶⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.154	- / 19.005	- / -	- / -	- / 24.159	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.154	- / 19.005	- / -	- / -	- / 24.159	
Subtotal: P-8A Mission Systems RCI (OSIP 006-18)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.154	136 / 156.555	132 / 127.140	1,476 / 1,522.800	1,744 / 1,811.649	

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0586 / P-8 Series					Modification Number / Title: 3 / P-8A Mission Systems RCI (OSIP 006-18)				
Models of Systems Affected: P-8A MMA			Modification Type: TBD					Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.154	- / 156.555	- / 127.140	- / 1,522.800	- / 1,811.649
Support (All Modification Items)												
3.1) Increment 3 Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.127	- / 2.150	- / 4.277
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / 0.500	- / 4.400	- / 5.000
3.3) Increment 3 Trainers	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 6.096	9 / 9.299	44 / 46.967	59 / 62.362
3.4) Mission Systems Training Kits (RCI)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.050	7 / 3.675	50 / 26.250	59 / 30.975
3.5) ILS ⁽⁷⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.170	- / 5.912	- / 5.849	- / 27.598	- / 39.529
3.6) Other Support ⁽⁸⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.512	- / 17.738	- / 17.280	- / 82.796	- / 118.326
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.682	- / 30.896	- / 38.730	- / 190.161	- / 260.469
Installation												
Modification Item 1 of 1: P-8A Mission Systems RCI (OSIP 006-18)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.213	- / 428.469	- / 464.682
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.213	- / 428.469	- / 464.682
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	5.836	187.451	202.083	2,141.430	2,536.800

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series				Modification Number / Title: 3 / P-8A Mission Systems RCI (OSIP 006-18)					
Modification Item 1 of 1: P-8A Mission Systems RCI (OSIP 006-18)													
Manufacturer Information													
Manufacturer Name: Boeing - Increment 3							Manufacturer Location: Seattle, WA						
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 8						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates						Feb 2019	Feb 2020						
Delivery Dates						Oct 2019	Oct 2020						
Manufacturer Name: Boeing - Mission Systems RCI Upgrade A Kits							Manufacturer Location: Seattle, WA						
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 9						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates						Feb 2019	Feb 2020						
Delivery Dates						Nov 2019	Nov 2020						
Manufacturer Name: Boeing - Increment 3 Trainers							Manufacturer Location: Seattle, WA						
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 8						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates						Feb 2019	Feb 2020						
Delivery Dates						Oct 2019	Oct 2020						
Manufacturer Name: Boeing - Mission Systems Training Kits (RCI)							Manufacturer Location: Seattle, WA						
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 9						
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
Contract Dates						Feb 2019	Feb 2020						
Delivery Dates						Nov 2019	Nov 2020						
Installation Information													
Method of Implementation: Contractor Field Mod Team:: Installation Name: Increment 3													
Installation Cost	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 3 / P-8A Mission Systems RCI (OSIP 006-18)

Modification Item 1 of 1: P-8A Mission Systems RCI (OSIP 006-18)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Increment 3

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	63 / 33.438	- / -	63 / 33.438
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 29.108	56 / 29.108
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	644 / 351.785	644 / 351.785
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	63 / 33.438	700 / 380.893	763 / 414.331

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	14	14	21	700	763	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	14	14	721	763	

Method of Implementation: Contractor Field Mod Team:: Installation Name: Mission Systems RCI Upgrade A Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.125	- / -	5 / 1.125
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.250	10 / 2.250
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / 21.150	94 / 21.150
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.125	104 / 23.400	109 / 24.525

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 3 / P-8A Mission Systems RCI (OSIP 006-18)

Modification Item 1 of 1: P-8A Mission Systems RCI (OSIP 006-18)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Mission Systems RCI Upgrade A Kits

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	104	109	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	106	109	

Method of Implementation: Contractor Field Mod Team:: Installation Name: Increment 3 Trainers

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.200	- / -	6 / 1.200
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.106	9 / 2.106
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 9.245	44 / 9.245
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.200	53 / 11.351	59 / 12.551

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	53	59	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	55	59	

Method of Implementation: [none specified]:: Installation Name: Mission Systems Training Kits (RCI)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 3 / P-8A Mission Systems RCI (OSIP 006-18)

Modification Item 1 of 1: P-8A Mission Systems RCI (OSIP 006-18)

Installation Information

Method of Implementation: [none specified]:: Installation Name: Mission Systems Training Kits (RCI)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.450	- / -	2 / 0.450
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.575	7 / 1.575
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 11.250	50 / 11.250
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.450	57 / 12.825	59 / 13.275

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	57	59	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	57	59	

Method of Implementation (Organic): Organic - Increment 3 Architecture Upgrade B Kit	Installation Quantity: 109
Method of Implementation (Organic): Organic - Increment 3 TACMobile B Kit	Installation Quantity: 109
Method of Implementation (Organic): Organic - Increment 3 Comms B Kit	Installation Quantity: 109
Method of Implementation (Organic): Organic - Increment 3 Radar Upgrade B Kit	Installation Quantity: 109
Method of Implementation (Organic): Organic - Increment 3 ASW Sigint B Kit	Installation Quantity: 109
Method of Implementation (Organic): Organic - Increment 3 6th Workstation B Kit	Installation Quantity: 109

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 3 / P-8A Mission Systems RCI (OSIP 006-18)
Modification Item 1 of 1: P-8A Mission Systems RCI (OSIP 006-18)		
Installation Information		
Method of Implementation (Organic): Organic - Increment 3 Wideband SATCOM B Kit		Installation Quantity: 109
Method of Implementation (Organic): Organic - Mission Systems RCI Upgrade B Kits		Installation Quantity: 109
Footnotes: ⁽⁵⁾ Installs include both A and B kits. ⁽⁶⁾ FY18 NRE begins retrofit engineering analysis on Increment 3 kits. ⁽⁷⁾ Logistics funding profile reflects the stand up of the P-8A retrofit support team. ⁽⁸⁾ Other Support funding profile reflects the stand up of the P-8A retrofit support team.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series						Modification Number / Title: 4 / P-8 Aircraft Systems (OSIP 001-19)		
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>)	0.000	-	-	-	-	-	-	-	4.825	4.475	46.485	55.785
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	4.825	4.475	46.485	55.785
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	4.825	4.475	46.485	55.785
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The P-8A is a commercial Boeing 737 derivative that provides Broad Area Maritime and Littoral Armed Intelligence, Surveillance and Reconnaissance (ISR). The P-8A Aircraft Systems Upgrade program will ensure that the P-8A continues to meet the Navy's requirement to perform Anti-Submarine Warfare (ASW) and Anti-Surface Warfare (ASuW) and ISR Sea Control objectives. This line item funds aircraft systems modifications to the air vehicle, propulsion and power systems, and weapons and stores including: Airframe modifications to improve aircrew safety, Aircraft systems modifications to support changes in Size, Weight, Power, and Cooling (SWAP-C) requirements of aircraft and mission systems equipment, Airframe modifications to incorporate Signals Intelligence (SIGINT) quick reaction capabilities (QRC) both on a temporary and permanent basis, Aircraft systems modifications required to support applicable commercial service bulletins, Airframe modifications to improve the storage of aircrew equipment, Aircraft systems modifications to support weapons and stores, Incorporation of structural enhancements and changes required to enable the airframe to reach its designed service life or extend the service life if required, Correction of deficiencies identified as a result of testing, Upgrades to aircraft systems due to obsolescence, Correction of operational discrepancies, Correction of safety deficiencies. This also includes the requisite funding to implement various cost effective changes to critical P-8A Weapon systems, including Rapid Capability Improvements. These changes can be either airframe, avionics, or procedures. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: No major development milestones. The changes identified will utilize the Engineering Change Proposal (ECP) process.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0586 / P-8 Series					Modification Number / Title: 4 / P-8 Aircraft Systems (OSIP 001-19)				
Models of Systems Affected:			Modification Type:						Related RDT&E PEs:				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: P-8 Aircraft Systems (OSIP 001-19)													
A Kits													
Recurring													
1.1.1) Aircraft Systems Upgrade A Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.200	10 / 0.400	94 / 3.760	109 / 4.360	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / 0.400	- / 3.760	- / 4.360	
B Kits													
Recurring													
2.1.1) Aircraft Systems Upgrade B Kit Equipment - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.750	10 / 1.500	94 / 14.100	109 / 16.350	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.750	- / 1.500	- / 14.100	- / 16.350	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.800	- / -	- / -	- / 2.800	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.800	- / -	- / -	- / 2.800	
Subtotal: P-8 Aircraft Systems (OSIP 001-19)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.750	20 / 1.900	188 / 17.860	218 / 23.510	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.750	- / 1.900	- / 17.860	- / 23.510	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / 0.100	- / 0.600	- / 0.800	
3.3) Aircraft Systems Upgrade Trainer Kits	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.350	7 / 1.225	50 / 8.750	59 / 10.325	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.156	- / 0.181	- / 1.800	- / 2.137	
3.6) Other Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.469	- / 0.544	- / 5.400	- / 6.413	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.075	- / 2.050	- / 16.550	- / 19.675	
Installation													
Modification Item 1 of 1: P-8 Aircraft Systems (OSIP 001-19)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.525	- / 12.075	- / 12.600	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.525	- / 12.075	- / 12.600	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	4.825	4.475	46.485	55.785	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0586 / P-8 Series										Modification Number / Title: 4 / P-8 Aircraft Systems (OSIP 001-19)											
Modification Item 1 of 1: P-8 Aircraft Systems (OSIP 001-19)																															
Manufacturer Information																															
Manufacturer Name: Boeing - Aircraft Systems Upgrade															Manufacturer Location: Seattle, WA-																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 3																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																						Dec 2019				Dec 2020					
Delivery Dates																						Mar 2020				Mar 2021					
Manufacturer Name: Boeing - Aircraft Systems Upgrade Trainers															Manufacturer Location: Seattle, Wa																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 3																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																						Dec 2019				Dec 2020					
Delivery Dates																						Mar 2020				Mar 2021					
Installation Information																															
Method of Implementation: [none specified]:: Installation Name: Aircraft Systems Upgrade A Kits																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.375	5 / 0.375																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.750	10 / 0.750																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / 7.050	94 / 7.050																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.375	104 / 7.800																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	104	109
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	105	109

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0586 / P-8 Series	Modification Number / Title: 4 / P-8 Aircraft Systems (OSIP 001-19)

Modification Item 1 of 1: P-8 Aircraft Systems (OSIP 001-19)

Installation Information

Method of Implementation: [none specified]:: Installation Name: Aircraft Systems Upgrade Trainer Kits

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.150	- / -	2 / 0.150
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.525	7 / 0.525
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 3.750	50 / 3.750
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.150	57 / 4.275	59 / 4.425

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	57	59		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	57	59		

Method of Implementation (Organic): Organic - Aircraft Systems Upgrade B Kit Equipment

Installation Quantity: 109

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0604376M				
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>	37.496	34.131	14.770	7.680	-	7.680	5.792	5.832	11.455	11.572	126.995	255.723
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	37.496	34.131	14.770	7.680	-	7.680	5.792	5.832	11.455	11.572	126.995	255.723
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	37.496	34.131	14.770	7.680	-	7.680	5.792	5.832	11.455	11.572	126.995	255.723
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modification efforts for the System of Systems (SOS) and Family of Systems (FOS) that support the Marine Air Ground Task Force Electronic Warfare (MAGTF EW) mission. These SOS and FOS are designed to support improved capabilities to address existing and emerging threats and close gaps in MAGTF EW sufficiency and integration in the EW arena. These capabilities are designed for carriage on an expansive variety of organic air and ground MAGTF assets and include: Software Reprogrammable Payload (SRP), Collaborative Electronic Attack (EA)/EW Battle Management, EW Services Architecture (formerly Collaborative On-Line Reconnaissance Provider of Operational Responsive Attack Link (CORPORAL)), and Intrepid Tiger series. MAGTF EW will support procurement of new technologies and equipment as needed to combat emerging electronic warfare (EW) technologies and systems. FY14 includes \$20.700M OCO funding for Intrepid Tiger II Series (OSIP 010-13).												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0604376M		
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)
1 / SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12) (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 0.489	- / -	- / 2.100	- / -	- / -	- / -
2 / INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13) (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 34.407	- / 34.131	- / 12.670	- / 7.680	- / -	- / 7.680
3 / INACTIVE OSIPS (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 2.600	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 37.496	- / 34.131	- / 14.770	- / 7.680	- / -	- / 7.680
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12) (RELIABILITY / MISSION CAPABILITY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 2.589
2 / INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13) (RELIABILITY / MISSION CAPABILITY)	P-3a		- / 5.792	- / 5.832	- / 11.455	- / 11.572	- / 126.995	- / 250.534
3 / INACTIVE OSIPS (RELIABILITY / MISSION CAPABILITY)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 2.600
Total Gross/Weapon System Cost			- / 5.792	- / 5.832	- / 11.455	- / 11.572	- / 126.995	- / 255.723
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
Justification: The term Electronic Warfare (EW) refers to the use of Electro-Magnetic (EM) energy and Directed Energy (DE) to control the Electro-Magnetic Spectrum (EMS) or to attack the enemy. EW consists of three divisions: electronic attack (EA), Electronic Protect (EP), and electronic warfare support (ES). Further, some cyber-operations can be enabled by EW operations to include EW-delivered Computer Network Attacks. Accordingly, the Marine Corps considers the EMS as a war-fighting environment that must be fully integrated into the MAGTF Commanders' scheme-of-maneuver, and concept-of-fires. The concept of operations for MAGTF EW takes advantage of advancements in technology that facilitate integration of airborne and ground-based EW assets to collaboratively interact providing the MAGTF Commander with the capabilities to control the EMS at the time and place of his choosing.								

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation						Modification Number / Title: 1 / SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)		
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>)	0.489	-	2.100	-	-	-	-	-	-	-	-	2.589
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.489	-	2.100	-	-	-	-	-	-	-	-	2.589
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.489	-	2.100	-	-	-	-	-	-	-	-	2.589
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Procures Software Reprogrammable Payload (SRP) Spiral 2 and future Spiral 3 capability multi-function kits for Marine Corps fixed-wing, rotary-wing, tilt-rotor, and unmanned aerial systems aircraft as directed by Weapons Requirements Branch and Headquarters Marine Corps. Costs include hardware, software production, associated communication gear and accompanying hardware such as the Mini- Aircraft Instrumentation System (Mini-AIS) or Mesh Network Manager (MNM), tactical demonstrations and installations necessary to transition this capability with science and technology onto Marine Air Ground Task Force (MAGTF) platforms. The integration of SRP capability onto MAGTF platforms provides advanced communication and data relay for fleet assets and supports the USMC Digital Interoperability vision and the MAGTF Electronic Warfare systems of systems approach for future USMC Electronic Surveillance, Electronic Attack, and Electronic Protect performance. Development Status: SRP is a single common spectrum control device that has been developed by the Naval Research Laboratory. SRP is designed to support the Marine Air Ground Task Force (MAGTF) Digital Interoperability vision and the Electronic Warfare (EW) 2020 vision of distributed, networked approach to EW that is designed to increase both capability and capacity. SRP is designed to be integrated on multiple MAGTF fixed-wing, rotary-wing, tilt-rotor, and unmanned aerial systems aircraft including the MV-22, RQ-21, AV-8B, KC-130J, CH-53E/K and H-1 Y/Z. APN funding for the SRP has been re-aligned to the respective platform budgets commencing in FY 2017.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation						Modification Number / Title: 1 / SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)			
Models of Systems Affected: MULTIPLE PLATFORMS				Modification Type: RELIABILITY / MISSION CAPABILITY				Related RDT&E PEs: 0604376M					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)													
B Kits													
Recurring													
2.1.1) Installation Equipment - Organic	- / 0.489	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.489	
<i>Subtotal: Recurring</i>	- / 0.489	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.489	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / -	- / -	- / 1.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.260	
<i>Subtotal: Non-Recurring</i>	- / 0.000	- / -	- / 1.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.260	
<i>Subtotal: SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)</i>	- / 0.489	- / -	- / 1.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.749	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.489	- / -	- / 1.260	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.749	
Support (All Modification Items)													
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / -	- / -	- / 0.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.210	
3.5) ILS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.6) Other Support	- / -	- / -	- / 0.630	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.630	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / 0.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.840	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.489	-	2.100	-	-	-	-	-	-	-	-	2.589	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation			Modification Number / Title: 1 / SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)		
Modification Item 1 of 1: SOFTWARE REPROGRAMMABLE PAYLOAD (OSIP 034-12)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation					Modification Number / Title: 2 / INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)			
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>	34.407	34.131	12.670	7.680	-	7.680	5.792	5.832	11.455	11.572	126.995	250.534
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	34.407	34.131	12.670	7.680	-	7.680	5.792	5.832	11.455	11.572	126.995	250.534
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	34.407	34.131	12.670	7.680	-	7.680	5.792	5.832	11.455	11.572	126.995	250.534
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Effort for Intrepid Tiger (IT) II capability is designed to expand electro-magnetic spectrum control, spectrum management, and Electronic Warfare (EW) effectiveness against current targets and to provide adaptability to counter future targets as they emerge. Key to this capability is network accessibility that includes EW Services Architecture (formerly CORPORAL) derived infrastructure for integration on multiple aviation platforms including any Marine Air Ground Task Force (MAGTF) tactical fixed-wing, tilt-wing, rotary-wing, and/or Unmanned Air System platforms. The design includes Open Architecture compliant and easily expandable hardware and software. Engineering Change Proposals (ECPs) will be utilized in order to upgrade component technology via Advanced Technology Kits. Advanced Technology Kits will focus on new capability insertion for the Technique Generator, Antennas, Network and EW Services, Interfaces, and other supporting technology. Technique Generator Upgrades: Upgrades will enable new techniques to provide additional capability that counters existing and anticipated threat systems while maintaining an open architecture to allow future counter threat upgrades. Antenna Upgrades: Upgrades will expand transmit and receive frequency coverage to that of current and anticipated threat systems dynamically operating in a broad spectrum. Network and EW Services Upgrade: Will enable a non-co-located operator access to pod functions and information exchanges via radio signals to enhance operational and tactical flexibility. Interface Upgrades: Will enable ground and air based users to configure and monitor pod status, operation and effectiveness. Other Supporting Upgrades: Includes hardware and software components that enable functions of power, cooling, status, control and connectivity as through processors, sensors, radios, RF components and support equipment critical to overall pod and system operation to include techniques, mission planning, operational execution, post-flight analysis and shipping containers. ENGINEERING CHANGES: This ALQ-231 program covers system modifications required to improve reliability/maintainability/availability, enhance mission capability, interface/integrate with evolving electro-magnetic spectrum control, spectrum management, and EW systems, resolve obsolescence issues, and correct deficiencies found in testing or in the field. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The AN/ALQ-231(V) Intrepid Tiger II (IT II) EW pod was developed in response to multiple Joint Urgent Operational Needs Statements. IT II was developed to provide an EW Family of Systems (FoS) and is designed to be integrated on MAGTF fixed-wing, tilt-wing, rotary-wing, and Unmanned Air System (UAS) aircraft. IT II is the first deployable hardware and Electronic Warfare Services Architecture in support of the MAGTF EW 2020 vision of a distributed, networked approach to EW that is designed to increase both capability and capacity. The original Block 0 pod provided a communications jamming capability and was integrated on the AV-8B Harrier aircraft. IT II Block 0 completed a Quick Reaction Assessment in February 2012 and began an Early Operational Capability (EOC) deployment in the 3Q of FY12. The Block 0 pod completed four land-based expeditionary two ship-based Marine Expeditionary Unit (MEU) deployments. On 29 February 2012, the IT II Block 1 USMC TACAIR variant, the (V)1, was approved by Assistant Secretary of Navy, Research, Development and Acquisition as a Rapid Deployment Capability (RDC). The Block 1 pod provides multiple upgrades over the Block 0 variant to include correction of deficiencies, the addition of a survey capability, and integration on a second platform, the F/A-18 A++ and F/A-18C/D. The AV-8B Block 1 EOC deployment began in November 2013. USMC F/A-18 Block 1 EOC deployment began in late 3Q FY14. In January 2014 the IT II Block 1 USMC rotary-wing variant, the (V)3, was approved by ASN(RDA) as a RDC. USMC rotary-wing integration began in FY14 with an expected EOC deployment on UH-1 T/M/S aircraft in 4Q FY15.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation	Modification Number / Title: 2 / INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation				Modification Number / Title: 2 / INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)					
Models of Systems Affected: MULTIPLE PLATFORMS				Modification Type: RELIABILITY / MISSION CAPABILITY				Related RDT&E PEs: 0604376M					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)													
B Kits													
Recurring													
2.1.1) ALQ-231(V)1 (Fixed Wing) - Organic	24 / 18.032	38 / 21.805	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 39.837	
2.1.2) ALQ-231(V)3 (Rotary Wing) - Organic	- / -	- / -	17 / 9.061	8 / 4.352	- / -	8 / 4.352	5 / 2.775	- / -	- / -	- / -	24 / 13.753	54 / 29.941	
2.1.3) ALQ-231(V)1 Block 0 to Block 1 Conversion - Organic	8 / 2.375	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.375	
2.1.4) ALQ-231(V)1 BLK X Radar Jammer Upgrade Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.305	12 / 8.088	12 / 8.244	33 / 23.590	62 / 43.227	
Subtotal: Recurring	- / 20.407	- / 21.805	- / 9.061	- / 4.352	- / -	- / 4.352	- / 2.775	- / 3.305	- / 8.088	- / 8.244	- / 37.343	- / 115.380	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic ⁽¹⁾	- / 5.750	- / 5.194	- / 1.175	- / 1.050	- / -	- / 1.050	- / 1.069	- / 1.046	- / 1.298	- / 1.220	- / 38.078	- / 55.880	
Subtotal: Non-Recurring	- / 5.750	- / 5.194	- / 1.175	- / 1.050	- / -	- / 1.050	- / 1.069	- / 1.046	- / 1.298	- / 1.220	- / 38.078	- / 55.880	
Subtotal: INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)	32 / 26.157	38 / 26.999	17 / 10.236	8 / 5.402	- / -	8 / 5.402	5 / 3.844	5 / 4.351	12 / 9.386	12 / 9.464	57 / 75.421	186 / 171.260	
Subtotal: Procurement, All Modification Items	- / 26.157	- / 26.999	- / 10.236	- / 5.402	- / -	- / 5.402	- / 3.844	- / 4.351	- / 9.386	- / 9.464	- / 75.421	- / 171.260	
Support (All Modification Items)													
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 2.250	- / 3.500	- / 0.800	- / 0.698	- / -	- / 0.698	- / 0.407	- / -	- / -	- / -	- / 34.958	- / 42.613	
3.5) ILS ⁽²⁾	- / 4.500	- / 2.132	- / 0.734	- / 0.750	- / -	- / 0.750	- / 0.695	- / 0.621	- / 1.200	- / 1.224	- / -	- / 11.856	
3.6) Other Support	- / 1.500	- / 1.500	- / 0.900	- / 0.830	- / -	- / 0.830	- / 0.846	- / 0.860	- / 0.869	- / 0.884	- / 16.616	- / 24.805	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 8.250	- / 7.132	- / 2.434	- / 2.278	- / -	- / 2.278	- / 1.948	- / 1.481	- / 2.069	- / 2.108	- / 51.574	- / 79.274	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	34.407	34.131	12.670	7.680	-	7.680	5.792	5.832	11.455	11.572	126.995	250.534	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation			Modification Number / Title: 2 / INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)	
Modification Item 1 of 1: INTREPID TIGER II SERIES (ALQ-231) (OSIP 010-13)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - ALQ-231(V)1 (Fixed Wing)					Installation Quantity: 62		
Method of Implementation (Organic): Not Installed - ALQ-231(V)3 (Rotary Wing)					Installation Quantity: 54		
Method of Implementation (Organic): Not Installed - ALQ-231(V)1 Block 0 to Block 1 Conversion					Installation Quantity: 8		
Method of Implementation (Organic): Not Installed - ALQ-231(V)1 BLK X Radar Jammer Upgrade Kits					Installation Quantity: 62		
Footnotes: ⁽¹⁾ Installation Equipment N/R cost growth in excess of approved OSD Inflation Indices in FY 2019 is due to integration of ALQ-231(V)1 BLK X capability on fixed-wing platforms. ⁽²⁾ ILS cost growth in excess of approved OSD Inflation Indices in FY 2019 is due to integration of ALQ-231(V)1 BLK X capability on fixed-wing platforms.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation	Modification Number / Title: 3 / INACTIVE OSIPS

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>	2.600	-	-	-	-	-	-	-	-	-	-	2.600
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.600	-	-	-	-	-	-	-	-	-	-	2.600
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	2.600	-	-	-	-	-	-	-	-	-	-	2.600
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation						Modification Number / Title: 3 / INACTIVE OSIPS			
Models of Systems Affected: EA-6B				Modification Type: RELIABILITY / MISSION CAPABILITY				Related RDT&E PEs:					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> INACTIVE OSIPS													
A Kits													
Recurring													
1.1.1) INACTIVE OSIPS - Organic	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
<i>Subtotal: Recurring</i>	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
<i>Subtotal: INACTIVE OSIPS</i>	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
<i>Subtotal: Procurement, All Modification Items</i>	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	2.600	-	-	-	-	-	-	-	-	-	-	2.600	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0587 / MAGTF EW for Aviation			Modification Number / Title: 3 / INACTIVE OSIPS		
Modification Item 1 of 1: INACTIVE OSIPS							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0588 / MQ-8 Series					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:					Other Related Program Elements:			
Line Item MDAP/MAIS Code: 253			Item MDAP/MAIS Code(s):									
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>)	0.000	-	8.741	22.464	-	22.464	19.956	9.583	5.477	5.583	24.472	96.276
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	8.741	22.464	-	22.464	19.956	9.583	5.477	5.583	24.472	96.276
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	8.741	22.464	-	22.464	19.956	9.583	5.477	5.583	24.472	96.276
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The MQ-8 Fire Scout Unmanned Air System (popular name "Fire Scout") provides real-time and non-real-time Intelligence, Surveillance and Reconnaissance data to tactical users without the use of manned aircraft or reliance on limited joint theater or national assets. This line item funds improvements via engineering change orders, correction of deficiencies, obsolescence and safety. This includes items such as modernization, modification of payloads/mission systems/Mission Control System (MCS) (also referred to as Ground Control Station (GCS)), and retrofit of systems/avionics. Current inventory is 24 MQ-8B air vehicles. The program will procure a total of 70 air vehicles (30 MQ-8B and 40 MQ-8Cs) to support Fleet requirements. This Operational, Safety and Improvement Program (OSIP) aligns to the MQ-8 Initial Operational Capability in 2014. The MQ-8 Fire Scout system is comprised of air vehicles, payloads (electro-optical/infra-red/laser designator-range finder, AIS, communications relay, radar, weapons and other special payloads), MCS (with Tactical Control System and Tactical Common Data Link integrated for interoperability), UAV Common Automatic Recovery System (UCARS) for automatic take-off and landings, and associated spares and support equipment.												

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0588 / MQ-8 Series		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:		Other Related Program Elements:		
Line Item MDAP/MAIS Code: 253		Item MDAP/MAIS Code(s):					

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)
1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14) (Readiness/Safety/Performance Sustainment)	P-3a		- / 0.000	- / -	- / 8.741	- / 22.464	- / -	- / 22.464
Total Gross/Weapon System Cost			- / 0.000	- / -	- / 8.741	- / 22.464	- / -	- / 22.464

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14) (Readiness/Safety/Performance Sustainment)	P-3a		- / 19.956	- / 9.583	- / 5.477	- / 5.583	- / 24.472	- / 96.276
Total Gross/Weapon System Cost			- / 19.956	- / 9.583	- / 5.477	- / 5.583	- / 24.472	- / 96.276

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

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

Justification:
 This line item funds improvements via engineering change orders, correction of deficiencies, obsolescence and safety. This includes correction of deficiencies found during operational use and deployments, improvements for maintainability and reliability, safety corrections, radar/weapons/other special payloads, Mission Control Station, emerging requirements, and concurrency in MQ-8 development and production.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0588 / MQ-8 Series						Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)	

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>)	0.000	-	8.741	22.464	-	22.464	19.956	9.583	5.477	5.583	24.472	96.276
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	0.000	-	8.741	22.464	-	22.464	19.956	9.583	5.477	5.583	24.472	96.276
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	0.000	-	8.741	22.464	-	22.464	19.956	9.583	5.477	5.583	24.472	96.276
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) will improve capability to improve system performance, reliability and maintainability of sensors, avionics and airframe components, and provide improved sensors for Intelligence, Surveillance, & Reconnaissance (ISR) collection for both Navy and urgent operational requirements. Some modifications will be Depot Level, performed at Fleet Readiness Centers (FRCs). These modifications include radar, weapons, navigator system, and vibration monitoring system upgrades.

This OSIP will also correct deficiencies resulting from safety, obsolescence, and Diminishing Manufacturing Sources and Material Shortages (DMSMS). These components include, but are not limited to, the Vehicle Management Computer, Payloads Interface Unit, the Mission Control Station (MCS), ARC-210 Radios, and network interfaces.

This OSIP will also support Payload modifications which will be Depot level, performed at FRCs. Structural and wiring modifications for mounting and wiring provisions of additional payloads. Installation of the payloads themselves would be done at the O-level based on mission requirements.

This OSIP supports MQ-8B, MQ-8C aircraft systems, MCS, UAV Common Automated Recovery System, Tactical Control Data Link, and payloads. Aircraft will be modified in FY16 to support obsolescence/reliability corrections, radar/weapons/other payloads, and airframe reliability. PB-16 provides additional fidelity of Obsolescence/Reliability improvements.

The MQ-8B based system had an approved Milestone C (MS C) in May 2007. In 2014 MQ-8 completed the Nunn-McCurdy certification process which revoked the Milestone C approval. MS C is currently scheduled in the 2QFY16 using an MQ-8C based Fire Scout system. MQ-8B airframes will sunset through attrition.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

MQ-8 Initial Operational Capability occurred in FY14. Ongoing MQ-8B deployments have occurred since FY10 to support the ISR Task Force, Joint Urgent Operational Need, and Urgent Operational Need requirements. The first MQ-8C is available for tasking in FY16.

Future Modifications:

ECP-TBD Windscreen Reliability/Maintainability Redesign
ECP-TBD Lightweight Door Modification
ECP-TBD Beyond-Line-Of-Sight Data Link
ECP-TBD Analog to ARINC Converter (AAC) Elimination (ARINC: Aeronautical Radio, Inc.)
ECP-TBD Anti-jam Global Positioning Sys. Modification
ECP-TBD CPU Obsolescence Upgrade

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0588 / MQ-8 Series	Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)
ECP-TBD Back Up Landing System ECP-TBD CRs FS13-398, 14-393 & 13-361 Aft Faraday Cage Improvement ECP TBD CR FS13-370 HUMS Optimization ECP-MQ-8-007 Harpoon Removal ECP-TBD UCARS Verification ECP-MQ-8-266-1442 VORTEX Relocation ECP-TBD Hot Weather Mod - Scoops ECP-MQ-8-011 Scroll Fan Housing Mod ECP-MQ-8-019 Vibration Monitoring System ECP-MQ-8-002 Warfighter Capability Upgrade ECP-08-030 Blade Fold Quick Release Pins ECP-11-012 Tail Rotor/#2 Generator Labelling Update ECP-11-035 Aft Fuel Cell Redesign		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0588 / MQ-8 Series				Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)					
Models of Systems Affected: MQ-8B/C				Modification Type: Readiness/Safety/Performance Sustainment				Related RDT&E PEs:					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)													
A Kits													
Recurring													
1.1.1) Radar Kits (MQ-8C) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.400	7 / 1.400	2 / 0.400	1 / 0.200	- / -	17 / 3.400	
1.1.2) Weapons - APKWS (MQ-8C) - NonOrganic	- / -	- / -	- / -	5 / 1.000	- / -	5 / 1.000	5 / 1.000	4 / 0.800	2 / 0.400	1 / 0.200	- / -	17 / 3.400	
1.1.3) ARC-210/ RT-1939 (MCS) - NonOrganic	- / -	- / -	14 / 0.007	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.007	
1.1.4) MCS Upgrade EXCOMM/Consoles - NonOrganic	- / -	- / -	- / -	1 / 0.110	- / -	1 / 0.110	3 / 0.113	- / -	- / -	- / -	- / -	4 / 0.223	
Subtotal: Recurring	- / 0.000	- / -	- / 0.007	- / 1.110	- / -	- / 1.110	- / 2.513	- / 2.200	- / 0.800	- / 0.400	- / -	- / 7.030	
B Kits													
Recurring													
2.1.1) Radar (MQ-8C) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	7 / 5.250	7 / 5.033	2 / 1.500	1 / 0.750	- / -	17 / 12.533	
2.1.2) Weapons - APKWS (MQ-8C) - Organic	- / -	- / -	- / -	5 / 1.500	- / -	5 / 1.500	5 / 1.500	4 / 1.200	2 / 0.600	1 / 0.300	- / -	17 / 5.100	
2.1.3) ARC-210/RT-1939 Integration (MCS) - Organic	- / -	- / -	14 / 2.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 2.300	
2.1.4) MCS Upgrade EXCOMM/Consoles - Organic	- / -	- / -	- / -	1 / 1.160	- / -	1 / 1.160	3 / 3.480	- / -	- / -	- / -	- / -	4 / 4.640	
2.1.5) Faraday Cage Corrosion Prevention (MQ-8B) - NonOrganic	- / -	- / -	14 / 0.378	9 / 0.243	- / -	9 / 0.243	- / -	- / -	- / -	- / -	- / -	23 / 0.621	
2.1.6) Fuel Flow, MPEDD Cable, Engine P/N Updates (MQ-8B) - Organic	- / -	- / -	4 / 0.200	20 / 1.250	- / -	20 / 1.250	- / -	- / -	- / -	- / -	- / -	24 / 1.450	
2.1.7) Pitot Tube (MQ-8B) - Organic	- / -	- / -	24 / 0.121	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.121	
2.1.8) Blade Autoclave (MQ-8B) - Organic	- / -	- / -	- / -	24 / 3.500	- / -	24 / 3.500	- / -	- / -	- / -	- / -	- / -	24 / 3.500	
2.1.9) Navigator Upgrade (MQ-8B) - Organic ⁽¹⁾	- / -	- / -	24 / 0.084	30 / 0.090	- / -	30 / 0.090	- / -	- / -	- / -	- / -	- / -	54 / 0.174	
2.1.10) Control Rod Locking Mechanism Upgrade (MQ-8B) - Organic	- / -	- / -	24 / 0.318	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.318	
2.1.11) UCARS Airborne Subsystem (MQ-8B) - Organic ⁽²⁾	- / -	- / -	7 / 0.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.147	
2.1.12) Network Interface Improvements (MQ-8B/C) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 2.680	- / -	24 / 2.680	
2.1.13) VORTEX Modifications - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.968	11 / 0.968	
2.1.14) Automated Ident. System (AIS) Receiver Mod. - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.264	24 / 0.264	
Subtotal: Recurring	- / 0.000	- / -	- / 3.548	- / 7.743	- / -	- / 7.743	- / 10.230	- / 6.233	- / 2.100	- / 3.730	- / 1.232	- / 34.816	
Non-Recurring													

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0588 / MQ-8 Series				Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)				
Models of Systems Affected: MQ-8B/C				Modification Type: Readiness/Safety/Performance Sustainment				Related RDT&E PEs:				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.2.1) N/R for MQ-8 Modifications - Organic ⁽³⁾	- / -	- / -	- / 2.759	- / 10.244	- / -	- / 10.244	- / 3.807	- / -	- / 0.436	- / -	- / 5.250	- / 22.496
Subtotal: Non-Recurring	- / 0.000	- / -	- / 2.759	- / 10.244	- / -	- / 10.244	- / 3.807	- / -	- / 0.436	- / -	- / 5.250	- / 22.496
Subtotal: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)	- / -	- / -	125 / 6.314	95 / 19.097	- / -	95 / 19.097	30 / 16.550	22 / 8.433	8 / 3.336	28 / 4.130	35 / 6.482	343 / 64.342
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 6.314	- / 19.097	- / -	- / 19.097	- / 16.550	- / 8.433	- / 3.336	- / 4.130	- / 6.482	- / 64.342
Support (All Modification Items)												
3.1) ILS ⁽⁴⁾	- / -	- / -	- / 0.417	- / 1.004	- / -	- / 1.004	- / 0.761	- / 0.157	- / 0.431	- / 0.423	- / 8.500	- / 11.693
3.2) Data	- / -	- / -	- / 0.256	- / 0.400	- / -	- / 0.400	- / 0.150	- / 0.075	- / 0.150	- / -	- / -	- / 1.031
3.3) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Training Equipment	- / -	- / -	- / 0.019	- / -	- / -	- / -	- / 0.100	- / 0.050	- / 0.100	- / 0.100	- / -	- / 0.369
3.5) Support Equipment	- / -	- / -	- / 0.160	- / 0.350	- / -	- / 0.350	- / 0.620	- / 0.078	- / 0.550	- / 0.260	- / -	- / 2.018
3.6) Other Support	- / -	- / -	- / 1.212	- / 1.123	- / -	- / 1.123	- / 1.245	- / 0.350	- / 0.550	- / 0.550	- / 9.450	- / 14.480
Subtotal: Support	- / 0.000	- / -	- / 2.064	- / 2.877	- / -	- / 2.877	- / 2.876	- / 0.710	- / 1.781	- / 1.333	- / 17.950	- / 29.591
Installation												
Modification Item 1 of 1: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)	- / 0.000	- / -	- / 0.363	- / 0.490	- / -	- / 0.490	- / 0.530	- / 0.440	- / 0.360	- / 0.120	- / 0.040	- / 2.343
Subtotal: Installation	- / 0.000	- / -	- / 0.363	- / 0.490	- / -	- / 0.490	- / 0.530	- / 0.440	- / 0.360	- / 0.120	- / 0.040	- / 2.343
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	8.741	22.464	-	22.464	19.956	9.583	5.477	5.583	24.472	96.276

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0588 / MQ-8 Series		Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)		
Modification Item 1 of 1: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)							
Manufacturer Information							
Manufacturer Name: TBD-Radar				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 7				Production Leadtime (in Months): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Apr 2017	Apr 2018	Apr 2019	Apr 2020
Delivery Dates				Oct 2018	Oct 2019	Oct 2020	Oct 2021
Manufacturer Name: TBD-Weapons				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019
Delivery Dates			May 2016	May 2017	May 2018	May 2019	May 2020
Manufacturer Name: Rockwell Collins-ARC-210/RT-1939				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Feb 2015					
Delivery Dates		May 2015					
Manufacturer Name: TBD-EXCOMM Consoles				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Nov 2015	Nov 2016			
Delivery Dates			Feb 2016	Feb 2017			
Manufacturer Name: Northrop Grumman-Faraday Cage				Manufacturer Location: Moss Point, MS			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 6			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Apr 2015	Nov 2015				
Delivery Dates		Oct 2015	May 2016				

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0588 / MQ-8 Series	Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)

Modification Item 1 of 1: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Radar Kits (MQ-8C)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.280	- / -	- / -	- / -	7 / 0.280
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.280	- / -	- / -	7 / 0.280
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.080	- / -	2 / 0.080
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.040	1 / 0.040
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.280	7 / 0.280	2 / 0.080	1 / 0.040	17 / 0.680

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	1	2	2	2	1	1	-	-	1	17	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	1	2	2	2	1	1	-	-	1	17	

Method of Implementation: Contractor Field Mod Team:: Installation Name: Weapons - APKWS (MQ-8C)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	5 / 0.200	- / -	5 / 0.200	- / -	- / -	- / -	- / -	- / -	5 / 0.200
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.200	- / -	- / -	- / -	- / -	5 / 0.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.160	- / -	- / -	- / -	4 / 0.160
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.080	- / -	- / -	2 / 0.080
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.040	- / -	1 / 0.040
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	5 / 0.200	- / -	5 / 0.200	5 / 0.200	4 / 0.160	2 / 0.080	1 / 0.040	- / -	17 / 0.680

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0588 / MQ-8 Series	Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)

Modification Item 1 of 1: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: Weapons - APKWS (MQ-8C)

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	2	3	-	-	2	3	-	-	2	2	-	-	2	-	-	-	1	-	-	17
Out	-	-	-	-	-	-	-	-	-	-	-	2	3	-	-	2	3	-	-	2	2	-	-	2	-	-	-	1	-	-	17

Method of Implementation: Shipboard Modification Team:: Installation Name: ARC-210/ RT-1939 (MCS)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	14 / 0.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.083
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	14 / 0.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.083

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	5	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
Out	-	-	-	-	-	-	5	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	

Method of Implementation: Shipboard Modification Team:: Installation Name: MCS Upgrade EXCOMM/Consoles

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0588 / MQ-8 Series	Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)

Modification Item 1 of 1: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)

Installation Information

Method of Implementation: Shipboard Modification Team:: Installation Name: MCS Upgrade EXCOMM/Consoles

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	1 / 0.110	- / -	1 / 0.110	- / -	- / -	- / -	- / -	- / -	1 / 0.110
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.330	- / -	- / -	- / -	- / -	3 / 0.330
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 0.110	- / -	1 / 0.110	3 / 0.330	- / -	- / -	- / -	- / -	4 / 0.440

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

Method of Implementation: Shipboard Modification Team:: Installation Name: Faraday Cage Corrosion Prevention (MQ-8B)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	14 / 0.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.280
FY 2016	- / -	- / -	- / -	9 / 0.180	- / -	9 / 0.180	- / -	- / -	- / -	- / -	- / -	9 / 0.180
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	14 / 0.280	9 / 0.180	- / -	9 / 0.180	- / -	- / -	- / -	- / -	- / -	23 / 0.460

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Exhibit P-3a, Individual Modification: PB 2016 Navy																							Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0588 / MQ-8 Series										Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)											
Modification Item 1 of 1: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)																															
Installation Information																															
Method of Implementation: Shipboard Modification Team:: Installation Name: Faraday Cage Corrosion Prevention (MQ-8B)																															
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	7	7	-	-	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
Out	-	-	-	-	-	-	-	7	7	-	-	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
Method of Implementation (Organic): Not Installed - Radar (MQ-8C)																							Installation Quantity: 17								
Method of Implementation (Organic): Not Installed - Weapons - APKWS (MQ-8C)																							Installation Quantity: 17								
Method of Implementation (Organic): Not Installed - ARC-210/RT-1939 Integration (MCS)																							Installation Quantity: 14								
Method of Implementation (Organic): Not Installed - MCS Upgrade EXCOMM/Consoles																							Installation Quantity: 4								
Method of Implementation (Organic): Organic - Fuel Flow, MPEDD Cable, Engine P/N Updates (MQ-8B)																							Installation Quantity: 24								
Method of Implementation (Organic): Organic - Pitot Tube (MQ-8B)																							Installation Quantity: 24								
Method of Implementation (Organic): Organic - Blade Autoclave (MQ-8B)																							Installation Quantity: 24								
Method of Implementation (Organic): Organic - Navigator Upgrade (MQ-8B)																							Installation Quantity: 54								
Method of Implementation (Organic): Organic - Control Rod Locking Mechanism Upgrade (MQ-8B)																							Installation Quantity: 24								
Method of Implementation (Organic): Organic - UCARS Airborne Subsystem (MQ-8B)																							Installation Quantity: 7								
Method of Implementation (Organic): Organic - Network Interface Improvements (MQ-8B/C)																							Installation Quantity: 24								

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0588 / MQ-8 Series	Modification Number / Title: 1 / MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)
Modification Item 1 of 1: MQ-8 Correction of Deficiencies and Modernization (OSIP 021-14)		
Installation Information		
Method of Implementation (Organic): Organic - VORTEX Modifications		Installation Quantity: 11
Footnotes: (1) Each aircraft requires 2 navigators for a total of 48. Mission Control Stations require 2 navigators each for a total of 6. Total quantity required is 54. (2) There are 7 of 24 aircraft that require this modification. (3) The NR increase supports Radar, Weapons, Mission Control System, and Blade Autoclave efforts. The NR aligns to support kit procurements in FY15-FY16. (4) Due to the number of ECPs starting and stopping between FY16 to FY20, the Support cost elements (ILS, Data, Training Equipment, Support Equipment, and Other Support) cannot be analyzed at a level inflation rate.		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0589 / RQ-7 Series					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0305233N				
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>	73.119	20.417	-	3.773	-	3.773	3.787	-	-	-	-	101.096
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	73.119	20.417	-	3.773	-	3.773	3.787	-	-	-	-	101.096
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	73.119	20.417	-	3.773	-	3.773	3.787	-	-	-	-	101.096
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line funds modifications to the RQ-7 Unmanned Air Vehicle (UAV) and associated support systems. The RQ-7B Shadow UAV system provides dedicated Reconnaissance, Surveillance and Target Acquisition, Intelligence, Battle Damage Assessment and Force Protection to the Marine Air-Ground Task Force. The RQ-7B Shadow UAS provides the Marine Expeditionary Force with critical battlefield intelligence and targeting information in the rapid cycle time required for success at the tactical level. The RQ-7B Shadow UAS system consists of four air vehicles each configured with an Electro-Optical/Infra-Red sensor payload, launcher, ground control stations, attrition engine, support equipment, and Government furnished equipment which includes power generation communications equipment, automated recovery equipment, remote video terminals, vehicle mounted shelters, and High Mobility Multipurpose Wheeled Vehicles with trailer(s). Each system is equipped with one maintenance section multifunctional vehicle and is supported by a mobile maintenance facility. The RQ-7B Shadow UAV system has logged over 47,000 flight hours since May 2007. Most hours were flown in support of Overseas Contingency Operations. The RQ-7B Shadow UAV system modifications are procured through the Army on the Army's Shadow Tactical Unmanned Aircraft System contracts and are identical to the Army's system. Every effort is made to ensure that the Marine Corps RQ-7B Shadow configuration matches the Army's such that combat units maintain maximum interoperability, maintainability, and combat effectiveness.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0589 / RQ-7 Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0305233N		
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)
1 / RQ-7 UAV Retrofits (OSIP 006-11) (Added Capability)	P-3a		- / 73.119	- / 20.417	- / -	- / 3.773	- / -	- / 3.773
Total Gross/Weapon System Cost			- / 73.119	- / 20.417	- / -	- / 3.773	- / -	- / 3.773
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / RQ-7 UAV Retrofits (OSIP 006-11) (Added Capability)	P-3a		- / 3.787	- / -	- / -	- / -	- / -	- / 101.096
Total Gross/Weapon System Cost			- / 3.787	- / -	- / -	- / -	- / -	- / 101.096
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								

Justification:

FY2014 requested supported the continuation of the Congressionally mandated Tactical Common Data Link (TCDL) and supports Pre-Planned Product Improvements (P3I), retrofit, and associated equipment for Shadow, including, but not limited to, technology insertion upgrades to improve reliability, safety and performance, weaponization, communications, target designation, and other upgrades to be determined based on operational requirements and user needs. FY2014 procured two TCDL upgrade kits, and incorporation of sixty-four (64) Small Mission Computers, to maintain United States Marine Corps RQ-7B Shadow Unmanned Air Systems interoperability with United States Army systems.

FY2015 requested funding for Small Mission Computer was fully marked by Congress in the appropriations process due to FY14 unobligated balances. The RQ-7 program will procure additional Small Mission Computers, up to a quantity of sixty-four (64) in FY14 to comply with Congressional direction.

FY2016 requested funding was originally planned for the procurement of forty-six (46) propulsion upgrades under development by the US Army RQ-7 program. Development of these propulsion upgrades was delayed by one (1) year and will commence in FY17. In FY16 the RQ-7 program will procure thirty-two (32) PRC-152A radios, weatherization kits, and other equipment, if so designated, to maintain Marine Corps RQ-7B Shadow Unmanned Aircraft Systems interoperability and commonality with Army systems and to permit full integration of Shadow generated information into the digital interoperability environment.

FY2017 requested funding will procure the first increment of forty-six (46) propulsion system upgrades, and other equipment, if so designated to maintain Marine Corps RQ-7B Shadow UAS interoperability and commonality with Army systems and the digital environment.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0589 / RQ-7 Series					Modification Number / Title: 1 / RQ-7 UAV Retrofits (OSIP 006-11)			
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>	73.119	20.417	-	3.773	-	3.773	3.787	-	-	-	-	101.096
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	73.119	20.417	-	3.773	-	3.773	3.787	-	-	-	-	101.096
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	73.119	20.417	-	3.773	-	3.773	3.787	-	-	-	-	101.096
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: FY2014 requested supported the continuation of the Congressionally mandated Tactical Common Data Link (TCDL) and supports Pre-Planned Product Improvements (P3I), retrofit, and associated equipment for Shadow, including, but not limited to, technology insertion upgrades to improve reliability, safety and performance, weaponization, communications, target designation, and other upgrades to be determined based on operational requirements and user needs. FY2014 procured two TCDL upgrade kits, and incorporation of sixty-four (64) Small Mission Computers, to maintain United States Marine Corps RQ-7B Shadow Unmanned Air Systems interoperability with United States Army systems. FY2015 requested funding for Small Mission Computer was fully marked by Congress in the appropriations process due to FY14 unobligated balances. The RQ-7 program will procure additional Small Mission Computers, up to a quantity of sixty-four (64) in FY14 to comply with Congressional direction. FY2016 requested funding was originally planned for the procurement of forty-six (46) propulsion upgrades under development by the US Army RQ-7 program. Development of these propulsion upgrades was delayed by one (1) year and will commence in FY17. In FY16 the RQ-7 program will procure thirty-two (32) PRC-152A radios, weatherization kits, and other equipment, if so designated, to maintain Marine Corps RQ-7B Shadow Unmanned Aircraft Systems interoperability and commonality with Army systems and to permit full integration of Shadow generated information into the digital interoperability environment. FY2017 requested funding will procure the first increment of forty-six (46) propulsion system upgrades, and other equipment, if so designated to maintain Marine Corps RQ-7B Shadow UAS interoperability and commonality with Army systems and the digital environment. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONE: Planned Initial Operational Capability for TCDL rescheduled from FY2014 to FY2015 Planned Initial Operational Capability for Small Mission Computers in FY2016												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0589 / RQ-7 Series				Modification Number / Title: 1 / RQ-7 UAV Retrofits (OSIP 006-11)				
Models of Systems Affected: RQ-7B Shadow UAV			Modification Type: Added Capability					Related RDT&E PEs: 0305233N				
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
Modification Item 1 of 1: RQ-7 UAV Retrofits (OSIP 006-11)												
B Kits												
Recurring												
1.1.1) P3I Upgrades/Retrofits - NonOrganic ⁽¹⁾	7 / 72.548	28 / 20.417	- / -	32 / 3.773	- / -	32 / 3.773	46 / 3.787	- / -	- / -	- / -	- / -	113 / 100.525
Subtotal: Recurring	- / 72.548	- / 20.417	- / -	- / 3.773	- / -	- / 3.773	- / 3.787	- / -	- / -	- / -	- / -	- / 100.525
Non-Recurring												
1.2.1) Installation Equipment N/R - Organic	- / 0.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.571
Subtotal: Non-Recurring	- / 0.571	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.571
Subtotal: RQ-7 UAV Retrofits (OSIP 006-11)	7 / 73.119	28 / 20.417	- / -	32 / 3.773	- / -	32 / 3.773	46 / 3.787	- / -	- / -	- / -	- / -	113 / 101.096
Subtotal: Procurement, All Modification Items	- / 73.119	- / 20.417	- / -	- / 3.773	- / -	- / 3.773	- / 3.787	- / -	- / -	- / -	- / -	- / 101.096
Installation												
Modification Item 1 of 1: RQ-7 UAV Retrofits (OSIP 006-11)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	73.119	20.417	-	3.773	-	3.773	3.787	-	-	-	-	101.096

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0589 / RQ-7 Series										Modification Number / Title: 1 / RQ-7 UAV Retrofits (OSIP 006-11)											
Modification Item 1 of 1: RQ-7 UAV Retrofits (OSIP 006-11)																															
Manufacturer Information																															
Manufacturer Name: AAI ⁽²⁾														Manufacturer Location: Hunt Valley, MD																	
Administrative Leadtime (in Months): 9														Production Leadtime (in Months): 12																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates		Jun 2015								Jun 2016				Jun 2017																	
Delivery Dates		Jun 2016								Jun 2017				Jun 2018																	
Installation Information																															
Method of Implementation: [none specified]:: Installation Name: P3I Upgrades/Retrofits																															
Installation Cost		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							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		2 / 0.000		- / -		- / -		5 / 0.000		- / 0.000		5 / 0.000		- / -		- / -		- / -		- / -		- / -		- / -		7 / 0.000					
FY 2014		- / -		- / -		- / -		28 / -		- / -		28 / -		- / -		- / -		- / -		- / -		- / -		- / -		28 / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		32 / -		- / -		- / -		- / -		- / -		- / -		32 / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		46 / -		- / -		- / -		- / -		- / -		46 / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		2 / 0.000		- / -		- / -		33 / -		- / -		33 / -		32 / -		46 / -		- / -		- / -		- / -		- / -		113 / -					
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	2	-	-	-	-	-	-	-	-	3	2	28	-	-	-	-	32	-	-	-	46	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	2	-	-	29	2	2	-	32	-	-	-	46	-	-	-	-	-	-	-	-		
Footnotes:																															
⁽¹⁾ FY2014 funding will procure 2 TCDL upgrade kits and 26 Small Mission Computers. FY2015 funding fully marked. FY2016 funding will procure and 32 PRC-152A radios, weatherization kits, and other equipment. FY2017 funding will procure 46 propulsion system upgrades.																															
⁽²⁾ Dollars not shown due to turn-key contract method, but quantities shown in the year that they will install.																															

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 212			Item MDAP/MAIS Code(s):									
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>)	780.319	129.148	129.155	121.208	4.900	126.108	142.129	156.188	170.539	135.419	728.470	2,497.475
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	780.319	129.148	129.155	121.208	4.900	126.108	142.129	156.188	170.539	135.419	728.470	2,497.475
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	780.319	129.148	129.155	121.208	4.900	126.108	142.129	156.188	170.539	135.419	728.470	2,497.475
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item funds modifications to the Navy's V-22 aircraft. The V-22 is a tilt rotor, Vertical/Short Takeoff and Landing (V/STOL) aircraft for Joint Service application. The Navy acts as the lead service with support from the United States Air Force (USAF) co-located in the V-22 Program Office. The V-22 Program is designed to provide an aircraft to meet the amphibious/vertical assault needs of the United States Marine Corps, the strike rescue needs of the Navy, and the special operations needs of the USAF and United States Special Operations Command (USSOCOM). The MV-22 variant is replacing the CH-46E in the Marine Corps and will supplement the H-60 in the Navy. The CV-22 variant replaced the MH-53J, and will provide a new capability and augment the MC-130 in the USAF/USSOCOM inventory for special operations infiltration, exfiltration, and resupply missions. The V-22 is capable of flying over 2,100 nautical miles with a single refueling, giving the Services the advantage of a V/STOL aircraft able to rapidly self-deploy to any location in the world. This line item funds modifications in support of the 226 MV-22's in service by end of Fiscal Year(FY) 2014 and will support an additional 38 aircraft, for a total of 264 to be delivered through FY 2016. The overall goal of the modifications budgeted in FY 2016 is to maintain commonality, implement structural safety and reliability improvements, and improve capability. These modifications will also improve readiness, increase aircraft availability, and decrease operating costs. FY 2016 focus will be on reducing flight hour costs, and improving Time On Wing, as reflected in the Readiness Operational Safety Improvement Program (OSIP).												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:		Other Related Program Elements:		
Line Item MDAP/MAIS Code: 212		Item MDAP/MAIS Code(s):					

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)
1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01) (Safety, Reliability, Increased Service Life, Improved Mission Capability)	P-3a		- / 721.940	- / 105.063	- / 82.173	- / 71.151	- / -	- / 71.151
2 / MV-22 Readiness (OSIP 028-12) (Reliability, Cost-per-flight hour, Reduction in Total Ownership cost)	P-3a		- / 58.379	- / 24.085	- / 46.982	- / 50.057	- / 4.900	- / 54.957
Total Gross/Weapon System Cost			- / 780.319	- / 129.148	- / 129.155	- / 121.208	- / 4.900	- / 126.108

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01) (Safety, Reliability, Increased Service Life, Improved Mission Capability)	P-3a		- / 74.127	- / 77.395	- / 94.346	- / 70.715	- / 312.926	- / 1,609.836
2 / MV-22 Readiness (OSIP 028-12) (Reliability, Cost-per-flight hour, Reduction in Total Ownership cost)	P-3a		- / 68.002	- / 78.793	- / 76.193	- / 64.704	- / 415.544	- / 887.639
Total Gross/Weapon System Cost			- / 142.129	- / 156.188	- / 170.539	- / 135.419	- / 728.470	- / 2,497.475

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

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

Justification:
 MV-22 Correction of Deficiencies, OSIP 22-01, provides near and long term improvements to the fleet, focusing on documented deficiencies related to safety, maintainability, and aircraft systems. These modifications and selected component changes are being accomplished by field retrofit. In order to meet emerging deficiencies the airframe and integrated systems must be modified as critical corrections/ changes are identified. Funds will be used to manage, prepare, process and incorporate Engineering Change Proposals (ECP) and implement those changes to sustain and improve MV-22 system operations. ECPs are implemented to coincide with resources and aircraft availability. These changes provide more robust performance in navigation, weapons, avionics, survivability, maneuverability, maintainability, and mission deployment of the MV-22 platform. This modification program may be required to provide timely remedial action for any aircraft system, component or structure.

ECPs addressing readiness degraders impacting MV-22 reliability, maintainability, availability, and cost per flight hour are captured under OSIP 28-12. This Operational Safety Improvement Program is established for the correction of readiness degraders impacting MV-22 cost per flight hour, Reliability Maintainability and Availability (RM&A), obsolescence, and reduction of life-cycle costs. These modifications (MODs) will be accomplished by field retrofit and implemented to coincide with resources and aircraft availability. In order to meet the goal of increasing readiness, the airframe and integrated systems must be modified as critical RM&A issues are identified. Funds will be used to manage, prepare, process and incorporate Engineering Change Proposals. The reliability and readiness initiatives included in the proposed OSIP are projected to have a significant positive impact to the V-22 Aircraft platform.

OCO:
 MV-22 Aft Sponson Fuel Tank. This improvement will increase combat range and endurance of the MV-22 and enable accomplishment of the Rapid Ground Refueling (RGR) mission with a single aircraft, greatly enhancing support to the Marine Air Ground Task Force during expeditionary operations.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey				Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)				
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>)	721.940	105.063	82.173	71.151	-	71.151	74.127	77.395	94.346	70.715	312.926	1,609.836
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	721.940	105.063	82.173	71.151	-	71.151	74.127	77.395	94.346	70.715	312.926	1,609.836
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	721.940	105.063	82.173	71.151	-	71.151	74.127	77.395	94.346	70.715	312.926	1,609.836
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: MV-22 Correction of Deficiencies provides near and long term improvements to the fleet, focusing on documented deficiencies related to safety, maintainability, and aircraft systems. These modifications and selected component changes are being accomplished by field retrofit. In order to meet emerging deficiencies the airframe and integrated systems must be modified as critical corrections/changes are identified. Funds will be used to manage, prepare, process and incorporate Engineering Change Proposals (ECP) and implement those changes to sustain and improve MV-22 system operations. ECPs are implemented to coincide with resources and aircraft availability. These changes provide more robust performance in navigation, weapons, avionics, survivability, maneuverability, maintainability, and mission deployment of the MV-22 platform. This modification program may be required to provide timely remedial action for any aircraft system, component or structure. Current/Active ECPs: AVIONICS: Avionics modifications to the V-22 will improve display reliability, eliminate communication security issues and alleviate parts obsolescence/vendor problems. Changes to the V-22 avionics will include: Display System upgrade, Cockpit Inter Communication System modification, upgraded Mission Computer, updated Data Transfer Module, Control Display Unit/Engine Instrument Caution Advisory System upgrade, Control Display Unit Keyboard upgrade, and Avionics Interface Units upgrades. As well as Mission System Upgrade and Midwing Processing Unit obsolescence replacement. Software modifications are controlled by the functional requirements document (FRD) and introduced to the fleet for release every two years, or as needed based on emerging fleet requirements. Modifications to the various avionics software configuration items (CIs) being incorporated into the fleet aircraft also require updates to the Collaborative Automated Maintenance Environment Optimized (CAMEO), Integrated Electronic Technical Manuals (IETMs); and mission planning. Specifically for the mission planning system, the V-22 Unique Planning Component (UPC) for the Joint Mission Planning System (JMPS) must implement frequent software updates in conjunction with production aircraft performance and software changes. Changes to the JMPS UPC in accordance with the FRD must include mission planning specific software regression tests to ensure proper operation and integration with other aircraft UPCs within JMPS. POWER TRANSMISSION AND CONTROL: Changes to the V-22 Power Transmission and Control System will improve reliability and maintainability. Changes to the V-22 Power Transmission and Control System will include: swashplate reliability upgrades, engine gimbal ring/spherical bearing installation revision, updated refuel/defuel valve, bull gear shroud and engine gimbal ring. COCKPIT: Changes to the V-22 cockpit will improve crew safety, mission suitability and overall reliability. Changes to the V-22 cockpit include: night vision goggle compatible hardware, upgraded inertial reels, upgraded pilot and co-pilot restraint system, throttle control lever soft stop modification, and improved rain removal. STRUCTURAL: Structural changes to the V-22 will increase survivability, improve maintainability and aircraft availability, eliminate component interferences, improve suitability and correct safety related issues. Structural changes include: forward sponson fuel bladder access redesign/install powder panels, environmental control unit Ram air barrier filter, avionics left hand mounting tray, aft upper door strut, add manual drive decal, fold blades in high winds and modified trunnion fitting. RELIABILITY & MAINTAINABILITY FIXES: Includes Corrective Action Plans to make the aircraft compliant with Operation Requirements Document requirements. ECP-708 Block A to Block B Upgrades: Upgrade Block A aircraft to Block B due to configuration changes required to meet mission requirements. Changes are associated with the aircraft Propulsion/Drive, Electrical, Avionics, Hydraulics, and Structure/Airframe. ECP-716: Infra-Red Suppressor Redesign, Provide a more reliable configuration to items that have contributed to poor system reliability and identify a repair kit for the aircraft Infra-Red Suppressor system. ECP-721: Ramp Mounted Weapon System (RMWS), Provide an all quadrant Defensive Weapon System for the V-22.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)
ECP-860: K-Voice and Data Recorder (KVADR) replaces the Government Furnished Equipment Flight Incident Recorder due to obsolescence issues and diminishing manufacturing sources for parts. ECP-865 Rapid Ground Refueling provides two new utility outlets, to be used to power the pump package. ECP-869: Nose Landing Gear Improvements in 3 major areas of the nose landing gear mechanisms are proposed, these include: Increase Mechanism Spring Moments, Reducing Torque Tube Pivot Friction and Revising the Mechanism Stops to improve reliability and rigging. Cargo Winch System Redesign- Corrects deficiencies of current winch system and improves reliability and maintainability of cargo winch. Slim Multifunction Display (MFD): or flight displays in cockpit, thirty lb. weight savings, less cooling and power requirements, significant obsolescence avoided, greater pilot display capabilities. ECP-888: Inlet Guide Vane & Upstream (IGV) Regulation provides for proper engine air and Hydraulic System 3 flow to operate the EAPS Scavenge Blowers. This will eliminate blower overspeeds and hydraulic system pressure spikes that have led to hydraulic system fires. It will also provide greater EAPS system availability and scavenge flow resulting in improved engine time-on-wing and blower reliability. Blue Force Tracker (BFT) II Block C Retrofit Kits and Block C MTX kits: Provides capability to communicate via established BFT network; providing aircraft current position and status to network subscribers (Joint Force Members) and to view other subscribers position and current status on graphic display. Incorporation will reduce fratricide risk and improve operational coordination. ECP-844: Interim Defense Weapon System (IDWS): : Capability improvements to IDWS. Employment of IDWS has resulted in identification of necessary modifications to improve effectiveness, lethality, and interoperability of the system. This modification provides necessary capability improvements identified during operational use and interim contract support. ECP-TBD: V-22 Integrated Aircraft Survivability Equipment (IASE) will correct deficiencies of the current RADAR warning system, replace the existing Missile Warning System, implement an active Infra-red countermeasure system, upgrade current countermeasures dispenser and provide integrated threat information on current aircraft main flight displays. Day Heads Up Display - improves ability to land safely in environments where visibility is reduced. Cabin Situational Awareness Device (CSAD)- improve situational awareness and enable the capability to send an analog video signal from the CSAD to Blue Force Tracker. Main Landing Gear Fire Suppression - increase the survivability by reducing the landing gear bay vulnerability by making that area more tolerant of battle damage, specifically fires. Data Transfer Unit: Replaces obsolete unit. Data Transfer System (DTS): Replacement for the current data transfer unit (ASQ-215) system which is obsolete. The DTS is being developed to facilitate legacy as well as future aircraft data processing and transfer. Enhanced Crash Survivable Memory Unit (Cockpit Voice Recorder): To protect aircraft flight information and facilitate post-mishap investigations, a crash-survivable recorder capable of recording a/c parametric data and aircrew voice communications. FLIR ELAP: Upgrade to the Forward Looking Infrared (FLIR) System Electronics Unit (SEU) with an Enhanced Local Area Processing (ELAP) card to improve visibility for the pilot FLIR SEU: Procurement of System Electronics Units (SEU's) for MV-22 aircraft being modified from Block A to Block B configuration. The SEU provides digital signal processing of the image obtained via the FLIR optics in the current FLIR unit, and passes the image data to the MV-22 mission computer. TCAS: Procurement of kits and installations of the Honeywell MILACAS-XR Traffic Collision Avoidance System (TCAS) into MCOI-equipped MV-22 Block B and C aircraft. MILACAS-XR is identical to the TCAS system already in use aboard the CV-22, and will advise MV-22 pilots of other air traffic in proximity to the MV-22, as well as resolution advisories of what course to fly to avoid colliding with the threat aircraft. Gen 5 ARC-210 radio: provides LOS single-channel voice communication in the 30-88 MHz FM, 118-174 MHz AM/FM, and 225-400 MHz AM/FM bands, as well as LOS Single Channel Ground and Airborne System (SINCGARS) and Havequick voice communications and provides the aircrew secure military Ultra High Frequency (UHF) Satellite Communications (SATCOM). Each radio has a notch filter which filters out the commercial 88-108 FM band from interfering with radio communication. ECP-Software Mods: Software modifications needed to incorporate ECP changes in order to correct deficiencies. ECP-559: AIRCRAFT MAINTENANCE TRAINER (AMT): AMT #2, Improves training and pilot proficiency by incorporating modifications to the AMT #2 to reflect most current Block A and Block B aircraft configuration. ECP-803: AMT #3, Improves training and pilot proficiency by incorporating modifications to the AMT #3 to reflect most current Block A and Block B aircraft configuration. ECP-Training Equipment: FLIGHT TRAINING DEVICE (FTD) UPGRADES: Improves training and pilot proficiency by incorporating modifications to the FTD #1 to reflect most current aircraft configuration as directed by Blue Ribbon Panel. ECP-Training Equipment: AIRFRAME PART TASK TRAINER, Incorporate Block 'B' configuration changes. ECP-Training Equipment: Aircraft Maintenance Trainer (AMT) #4, Improves training and pilot proficiency by incorporating modifications to the AMT #4 to reflect most current Block aircraft configuration. ECP-Training Equipment: Full Fidelity Simulator (FFS) UPGRADES: Improves training and pilot proficiency by incorporating modifications to the FFS #1-4 to reflect most current aircraft configuration as directed by Blue Ribbon Panel. ECP-Training Equipment: Flight Training Devices (FTD) UPGRADES: Improves training and pilot proficiency by incorporating modifications to the FTD #1-14 to reflect most current aircraft configuration as directed by Blue Ribbon Panel.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)
FUTURE ECPs: BLOCK B, and BLOCK C: Major configuration changes are associated with the aircraft Propulsion/Drive, Electrical, Avionics, Hydraulics, Structure/Airframe, Fuel, Software, and Environmental Control System. Specifically included are Nacelle changes, Avionics, Blade Fold Harness, Fuel Probe, Active Vibration Suppression System, Constant Frequency Generator and Variable Frequency Generator. Additional configuration changes include Effectiveness and Suitability and Enhanced Capability. ECPs for Reliability & Maintainability changes, Ice Protection and Clam Shell Doors) are configuration items associated with production Block B and Block C changes. Aircraft Retrofits are implemented to coincide with resources and aircraft availability , stand-alone retrofit ECPs are generated. These Retrofit ECPs are the implementation of the approved production Block Configuration changes. Software Reprogrammable Payload (SRP) - A single common payload module that is open architecture government owned, flexible, and reconfigurable to support simultaneous missions and applications making maximum use of available bandwidth and ensuring interoperability. Provides a bridge and translator to allow various systems/waveforms to collaborate and provides the V-22 operator and passenger with a common operating picture. Digital Interoperability provides situational awareness, enhanced command and control, remote and operation of payloads, and tracking of Marines and cargo. It also allows for collaboration and cooperation in a Joint environment. Enhanced Standby Flight Instrument: A digital indicator which replaces the legacy analog standby instrument cluster for aircraft reference (attitude, altitude, etc.). FY16 New Starts include: Data Transfer Unit and TCAS (FY15 funding for TCAS NRE).		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)				
Models of Systems Affected: V-22 Series				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capability				Related RDT&E PEs: 0604262N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)													
A Kits													
Recurring													
1.1.1) BFT II Block C - Organic	11 / 0.900	13 / 1.041	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.94	
1.1.2) BFT II Block C MTX Kits - Organic	- / -	- / -	48 / 0.443	18 / 0.169	- / -	18 / 0.169	- / -	- / -	- / -	- / -	- / -	66 / 0.61	
1.1.3) Block A to B - NonOrganic	19 / 85.600	2 / 10.500	4 / 21.399	2 / 10.903	- / -	2 / 10.903	- / -	- / -	- / -	- / -	- / -	27 / 128.40	
1.1.4) Block A to B GFE - Organic	17 / 2.942	4 / 1.164	4 / 1.186	2 / 0.604	- / -	2 / 0.604	- / -	- / -	- / -	- / -	- / -	27 / 5.89	
1.1.5) Cabin Situational Awareness Device - Organic	- / -	10 / 1.048	8 / 0.854	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 1.90	
1.1.6) Cargo Winch System Redesign - NonOrganic	14 / 1.202	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.20	
1.1.7) Data Transfer System - Organic	- / -	30 / 2.057	8 / 0.558	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 2.61	
1.1.8) Data Transfer Unit - Organic	- / -	- / -	- / -	47 / 1.955	- / -	47 / 1.955	60 / 2.543	60 / 2.591	51 / 2.244	51 / 2.287	37 / 1.691	306 / 13.31	
1.1.9) Digital Interoperability - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.480	28 / 0.571	30 / 0.624	33 / 0.700	235 / 5.076	350 / 7.45	
1.1.10) Digital Interoperability - GFE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.560	28 / 5.421	30 / 5.924	33 / 6.640	235 / 48.185	350 / 70.73	
1.1.11) Enhanced Crash Survivable Memory Unit (Cockpit Voice Recorder) - NonOrganic	48 / 1.056	48 / 1.056	32 / 0.717	48 / 1.096	- / -	48 / 1.096	48 / 1.117	13 / 0.308	10 / 0.242	- / -	- / -	247 / 5.59	
1.1.12) Enhanced Standby Flight Instrument - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.960	33 / 2.353	33 / 2.398	43 / 3.185	137 / 9.89	
1.1.13) FLIR ELAP - NonOrganic	- / -	- / -	20 / 0.400	50 / 1.019	- / -	50 / 1.019	55 / 1.143	- / -	- / -	- / -	- / -	125 / 2.56	
1.1.14) FLIR SEU - Organic	- / -	- / -	11 / 3.960	4 / 1.467	- / -	4 / 1.467	- / -	- / -	- / -	- / -	- / -	15 / 5.42	
1.1.15) Gen 5 Radio ARC 210 - Organic	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.064	60 / 0.391	- / -	- / -	- / -	70 / 0.451	
1.1.16) IGV & Hyd Flow Reg - NonOrganic	186 / 2.006	3 / 0.036	42 / 0.129	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	231 / 2.17	
1.1.17) IR Suppressor - NonOrganic ⁽¹⁾	68 / 5.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	68 / 5.10	
1.1.18) KVADR GFE - Organic	106 / 2.020	39 / 0.663	39 / 0.676	40 / 0.706	- / -	40 / 0.706	- / -	- / -	- / -	- / -	- / -	224 / 4.06	
1.1.19) Main Landing Fire Suppression - NonOrganic	204 / 5.946	14 / 0.320	32 / 0.752	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	250 / 7.01	
1.1.20) Nose Landing Gear - NonOrganic	190 / 0.965	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	190 / 0.96	
1.1.21) Ramp Mounted Weapon System - Organic	112 / 1.978	100 / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	212 / 4.17	
1.1.22) Rapid Ground Refueling - NonOrganic	148 / 0.192	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 0.19	
1.1.23) Slim MFD - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.580	20 / 4.667	20 / 4.755	20 / 4.846	6 / 1.481	86 / 20.32	
1.1.24) Software Reprogrammable Payload - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	22 / 4.000	21 / 3.895	22 / 4.162	22 / 4.245	105 / 20.240	192 / 36.54	
1.1.25) Traffic Collision Avoidance System (TCAS) - NonOrganic	- / -	- / -	- / -	24 / 5.592	- / -	24 / 5.592	25 / 5.936	20 / 4.838	48 / 11.834	48 / 12.058	54 / 13.823	219 / 54.08	

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)				
Models of Systems Affected: V-22 Series				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capability				Related RDT&E PEs: 0604262N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
1.1.26) V-22 Integrated Aircraft Survivability Equipment - NonOrganic	- / -	- / -	24 / 8.990	24 / 9.161	- / -	24 / 9.161	24 / 9.336	24 / 9.511	24 / 9.694	24 / 9.876	76 / 31.872	220 / 88.440	
1.1.27) Archived ECPs - Organic	2,979 / 307.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2,979 / 307.762	
1.1.28) PY Installs - Organic	- / 1.225	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.225	
Subtotal: Recurring	- / 418.894	- / 20.085	- / 40.064	- / 32.672	- / -	- / 32.672	- / 33.759	- / 34.153	- / 41.832	- / 43.050	- / 125.553	- / 790.062	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 81.153	- / 25.855	- / 9.137	- / 7.893	- / -	- / 7.893	- / 3.982	- / 2.000	- / 2.000	- / -	- / -	- / 132.020	
Subtotal: Non-Recurring	- / 81.153	- / 25.855	- / 9.137	- / 7.893	- / -	- / 7.893	- / 3.982	- / 2.000	- / 2.000	- / -	- / -	- / 132.020	
B Kits													
Recurring													
2.1.1) Slim MFD - Organic	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.400	20 / 0.408	20 / 0.415	20 / 0.423	6 / 0.129	86 / 1.775	
2.1.2) Enhanced Standby Flight Instrument - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.120	33 / 1.345	33 / 1.370	43 / 1.820	137 / 5.655	
2.1.3) Archived B Kits - Organic	72 / 3.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 3.800	
Subtotal: Recurring	- / 3.800	- / -	- / -	- / -	- / -	- / -	- / 0.400	- / 1.528	- / 1.760	- / 1.793	- / 1.949	- / 11.230	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 0.577	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.577	
Subtotal: Non-Recurring	- / 0.577	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.577	
Subtotal: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)	4,174 / 504.424	263 / 45.940	272 / 49.201	259 / 40.565	- / -	259 / 40.565	332 / 38.141	350 / 37.681	321 / 45.592	317 / 44.843	840 / 127.502	7,128 / 933.889	
Subtotal: Procurement, All Modification Items	- / 504.424	- / 45.940	- / 49.201	- / 40.565	- / -	- / 40.565	- / 38.141	- / 37.681	- / 45.592	- / 44.843	- / 127.502	- / 933.889	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Software Modifications ⁽²⁾	- / -	- / -	- / 0.500	- / 0.500	- / -	- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / 2.500	- / 5.500	
3.3) Data	- / 1.384	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.384	
3.4) Training Equipment ⁽³⁾	7 / 150.259	- / 33.864	- / 7.056	- / 2.935	- / -	- / 2.935	- / 6.675	- / 15.483	- / 24.516	- / -	- / 70.548	7 / 311.336	
3.5) Support Equipment	- / 2.128	- / -	- / 1.896	- / 0.320	- / -	- / 0.320	- / 0.595	- / 0.637	- / -	- / -	- / -	- / 5.576	
3.6) ILS	- / 6.649	- / -	- / 0.500	- / 0.509	- / -	- / 0.509	- / 0.520	- / 0.530	- / 0.540	- / 0.550	- / 2.695	- / 12.493	
3.7) Other Support	- / 19.698	- / 10.070	- / 10.261	- / 10.456	- / -	- / 10.456	- / 10.655	- / 10.857	- / 11.064	- / 11.274	- / 50.800	- / 145.135	
3.8) Interim Contractor Support ⁽⁴⁾	- / -	- / 2.825	- / 5.086	- / 0.428	- / -	- / 0.428	- / 0.481	- / 0.471	- / 0.480	- / 0.080	- / -	- / 9.851	
Subtotal: Support	- / 180.118	- / 46.759	- / 25.299	- / 15.148	- / -	- / 15.148	- / 19.426	- / 28.478	- / 37.100	- / 12.404	- / 126.543	- / 491.275	
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey						Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)			
Models of Systems Affected: V-22 Series				Modification Type: Safety, Reliability, Increased Service Life, Improved Mission Capability				Related RDT&E PEs: 0604262N					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)	- / 37.398	- / 12.364	- / 7.673	- / 15.438	- / -	- / 15.438	- / 16.560	- / 11.236	- / 11.654	- / 13.468	- / 58.881	- / 184.672	
<i>Subtotal: Installation</i>	- / 37.398	- / 12.364	- / 7.673	- / 15.438	- / -	- / 15.438	- / 16.560	- / 11.236	- / 11.654	- / 13.468	- / 58.881	- / 184.672	
Total													
Total Cost (Procurement + Support + Installation)	721.940	105.063	82.173	71.151	-	71.151	74.127	77.395	94.346	70.715	312.926	1,609.836	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey		Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)		
Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)							
Manufacturer Information							
Manufacturer Name: Block A to B				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 21			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	Oct 2015	Sep 2016	Sep 2017				
Manufacturer Name: Enhanced Crash Survivable Memory Unit				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 11			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2014	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	
Delivery Dates	Oct 2015	Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	
Manufacturer Name: FLIR ELAP				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 10			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Dec 2014	Dec 2015	Dec 2016			
Delivery Dates		Oct 2015	Oct 2016	Oct 2017			
Manufacturer Name: IGV & Hyd Flow Reg				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jan 2014	Jan 2015					
Delivery Dates	Apr 2014	Apr 2015					
Manufacturer Name: Cargo Winch System Redesign				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 11				Production Leadtime (in Months): 2			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: V-22 Integrated Aircraft Survivability Equipment				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 7			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020

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Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey			Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)	
Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)							
Manufacturer Information							
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Delivery Dates		Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: Main Landing Fire Suppression				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 10				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Aug 2014	Aug 2015					
Delivery Dates	Sep 2016	Jan 2017					
Manufacturer Name: SLIM MFD				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 9				Production Leadtime (<i>in Months</i>): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Jun 2017	Jun 2018	Jun 2019	Jun 2020
Delivery Dates				Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: Traffic Collision Avoidance System (TCAS)				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 8				Production Leadtime (<i>in Months</i>): 5			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			May 2016	May 2017	May 2018	May 2019	May 2019
Delivery Dates			Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2019
Manufacturer Name: Digital Interoperability				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Mar 2017	Mar 2018	Mar 2019	Mar 2020
Delivery Dates				Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: Enhanced Standby Flight Instrument				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates					Mar 2018	Mar 2019	Mar 2020
Delivery Dates					Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: Rapid Ground Refueling				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 12				Production Leadtime (<i>in Months</i>): 12			

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey				Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)				
Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)												
Manufacturer Information												
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates												
Delivery Dates												
Manufacturer Name: Nose Landing Gear Door				Manufacturer Location: N/A								
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 15								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates												
Delivery Dates												
Manufacturer Name: IR Suppressor				Manufacturer Location: N/A								
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 21								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates												
Delivery Dates												
Manufacturer Name: Software Reprogrammable Payload				Manufacturer Location: N/A								
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 7								
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020					
Contract Dates				Mar 2017	Mar 2018	Mar 2019	Mar 2020					
Delivery Dates				Oct 2017	Oct 2018	Oct 2019	Oct 2020					
Installation Information												
Method of Implementation: Contractor Drive-In Mod:: Installation Name: Block A to B												
Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	13 / 30.863	4 / 9.256	2 / 5.804	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 45.923
FY 2014	- / -	- / -	- / -	2 / 4.600	- / -	2 / 4.600	- / -	- / -	- / -	- / -	- / -	2 / 4.600
FY 2015	- / -	- / -	- / -	2 / 4.600	- / -	2 / 4.600	2 / 4.885	- / -	- / -	- / -	- / -	4 / 9.485
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.885	- / -	- / -	- / -	- / -	2 / 4.885
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Drive-In Mod:: Installation Name: Block A to B

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	13 / 30.863	4 / 9.256	2 / 5.804	4 / 9.200	- / -	4 / 9.200	4 / 9.770	- / -	- / -	- / -	- / -	27 / 64.893

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	13	-	-	2	2	1	1	-	-	2	-	-	2	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Out	13	-	-	2	2	1	1	-	-	2	-	-	2	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	27

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Cargo Winch System Redesign

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	14 / 0.014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.014
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	14 / 0.014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.014

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)									

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Cargo Winch System Redesign

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	3	3	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Out	-	3	3	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14

Method of Implementation: Contractor Drive In Mod:: Installation Name: Digital Interoperability

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.960	- / -	- / -	- / -	24 / 0.960
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.141	- / -	- / -	28 / 1.141
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 1.247	- / -	30 / 1.247
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 1.399	33 / 1.399
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	235 / 9.962	235 / 9.962
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.960	28 / 1.141	30 / 1.247	268 / 11.361	350 / 14.709

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	7	7	7	7	7	7	8	8	268	350	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	7	7	7	7	7	7	8	8	268	350	

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: Enhanced Crash Survivable Memory Unit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	48 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.480

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: Enhanced Crash Survivable Memory Unit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	48 / 0.493	- / -	48 / 0.493	- / -	- / -	- / -	- / -	- / -	48 / 0.493
FY 2015	- / -	- / -	- / -	32 / 0.322	- / -	32 / 0.322	- / -	- / -	- / -	- / -	- / -	32 / 0.322
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.498	- / -	- / -	- / -	- / -	48 / 0.498
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.507	- / -	- / -	- / -	48 / 0.507
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.140	- / -	- / -	13 / 0.140
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.109	- / -	10 / 0.109
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	48 / 0.480	80 / 0.815	- / -	80 / 0.815	48 / 0.498	48 / 0.507	13 / 0.140	10 / 0.109	- / -	247 / 2.549

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	12	12	12	12	20	20	20	20	12	12	12	12	12	12	12	12	3	3	3	4	2	2	3	3	-	247
Out	-	-	-	-	-	12	12	12	12	20	20	20	20	12	12	12	12	12	12	12	12	3	3	3	4	2	2	3	3	-	247

Method of Implementation: Contractor Drive In Mod:: Installation Name: Enhanced Standby Flight Instrument

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.120	- / -	- / -	28 / 1.120
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 1.345	- / -	33 / 1.345
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 1.369	33 / 1.369
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 1.785	43 / 1.785
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 1.120	33 / 1.345	76 / 3.154	137 / 5.619

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy															Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey										Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)				

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Drive In Mod:: Installation Name: Enhanced Standby Flight Instrument

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	7	7	8	8	8	9	76	137	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	7	7	8	8	8	9	76	137	

Method of Implementation: Contractor Field Modification:: Installation Name: FLIR ELAP

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	20 / 0.120	- / -	20 / 0.120	- / -	- / -	- / -	- / -	- / -	20 / 0.120
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	50 / 0.306	- / -	- / -	- / -	- / -	50 / 0.306
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 0.342	- / -	- / -	- / -	55 / 0.342
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	20 / 0.120	- / -	20 / 0.120	50 / 0.306	55 / 0.342	- / -	- / -	- / -	125 / 0.768

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	5	5	5	5	13	13	12	12	13	14	14	14	-	-	-	-	-	-	-	-	-	125
Out	-	-	-	-	-	-	-	-	-	5	5	5	5	13	13	12	12	13	14	14	14	-	-	-	-	-	-	-	-	-	125

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: IGV & Hyd Flow Reg

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	126 / 3.556	60 / 0.974	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	186 / 4.530

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: IGV & Hyd Flow Reg

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	3 / 0.127	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.127
FY 2015	- / -	- / -	42 / 1.241	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 1.241
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	126 / 3.556	63 / 1.101	42 / 1.241	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	231 / 5.898

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	126	15	15	17	16	-	-	21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231
Out	126	15	15	17	16	-	-	21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: IR Suppressor

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	51 / 0.644	8 / 0.145	8 / 0.148	1 / 0.019	- / 0.000	1 / 0.019	- / -	- / -	- / -	- / -	- / -	68 / 0.956
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	51 / 0.644	8 / 0.145	8 / 0.148	1 / 0.019	- / -	1 / 0.019	- / -	- / -	- / -	- / -	- / -	68 / 0.956

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: IR Suppressor

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	51	2	2	2	2	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68
Out	51	2	2	2	2	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68

Method of Implementation: Navy Field Modification:: Installation Name: Main Landing Fire Suppression

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	76 / 0.758	72 / 1.041	- / -	56 / 0.892	- / 0.000	56 / 0.892	- / -	- / -	- / -	- / -	- / -	204 / 2.691
FY 2014	- / -	- / -	- / -	6 / 0.096	- / -	6 / 0.096	8 / 0.128	- / -	- / -	- / -	- / -	14 / 0.224
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.520	- / -	- / -	- / -	- / -	32 / 0.520
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	76 / 0.758	72 / 1.041	- / -	62 / 0.988	- / -	62 / 0.988	40 / 0.648	- / -	- / -	- / -	- / -	250 / 3.435

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	76	18	18	18	18	-	-	-	-	14	14	14	20	8	10	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	250
Out	76	18	18	18	18	-	-	-	-	14	14	14	20	8	10	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	250

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Nose Landing Gear

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	142 / 0.405	48 / 0.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	190 / 0.702

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Nose Landing Gear

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	142 / 0.405	48 / 0.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	190 / 0.702

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	142	-	-	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190
Out	142	-	-	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Rapid Ground Refueling

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	103 / 1.172	45 / 0.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 1.682
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	103 / 1.172	45 / 0.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	148 / 1.682

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)									

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Rapid Ground Refueling

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	103	11	11	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148
Out	103	11	11	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148

Method of Implementation: Contractor Field Modification:: Installation Name: Slim MFD

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.742	- / -	- / -	- / -	20 / 0.742
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.756	- / -	- / -	20 / 0.756
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.770	- / -	20 / 0.770
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.784	20 / 0.784
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.235	6 / 0.235
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.742	20 / 0.756	20 / 0.770	26 / 1.019	86 / 3.287

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	26	86
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	26	86

Method of Implementation: Contractor Drive In Mod:: Installation Name: Software Reprogrammable Payload

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Drive In Mod:: Installation Name: Software Reprogrammable Payload

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 3.205	- / -	- / -	- / -	22 / 3.205
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 3.121	- / -	- / -	21 / 3.121
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 3.334	- / -	22 / 3.334
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 3.335	22 / 3.335
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	105 / 15.914	105 / 15.914
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 3.205	21 / 3.121	22 / 3.334	127 / 19.249	192 / 28.909

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	6	6	5	5	5	6	5	5	6	6	127	192	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	6	6	5	5	5	6	5	5	6	6	127	192	

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: Traffic Collision Avoidance System (TC)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.960	- / -	- / -	- / -	- / -	24 / 0.960
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 1.019	- / -	- / -	- / -	25 / 1.019
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.830	- / -	- / -	20 / 0.830
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 2.031	- / -	48 / 2.031
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 2.035	48 / 2.035
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 2.363	54 / 2.363
Total	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.960	25 / 1.019	20 / 0.830	48 / 2.031	102 / 4.398	219 / 9.238

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	
		Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)	

Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: Traffic Collision Avoidance System (TC)

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	7	5	5	5	5	12	12	12	12	102	219
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	7	5	5	5	5	12	12	12	12	102	219

Method of Implementation: Contractor Drive-In Modification:: Installation Name: V-22 Integrated Aircraft Survivability Equipme

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	24 / 4.296	- / -	24 / 4.296	- / -	- / -	- / -	- / -	- / -	24 / 4.296
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.378	- / -	- / -	- / -	- / -	24 / 4.378
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.461	- / -	- / -	- / -	24 / 4.461
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.546	- / -	- / -	24 / 4.546
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.632	- / -	24 / 4.632
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.728	24 / 4.728
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	76 / 14.972	76 / 14.972
Total	- / -	- / -	- / -	24 / 4.296	- / -	24 / 4.296	24 / 4.378	24 / 4.461	24 / 4.546	24 / 4.632	100 / 19.700	220 / 42.013

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	100	220
Out	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	100	220

Method of Implementation (Organic): Organic - BFT II Block C

Installation Quantity: 24

Method of Implementation (Organic): Organic - BFT II Block C MTX Kits

Installation Quantity: 66

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)
Modification Item 1 of 1: MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)		
Installation Information		
Method of Implementation (Organic): Organic - Block A to B GFE		Installation Quantity: 27
Method of Implementation (Organic): Organic - Cabin Situational Awareness Device		Installation Quantity: 18
Method of Implementation (Organic): Organic - Data Transfer System		Installation Quantity: 38
Method of Implementation (Organic): Organic - Data Transfer Unit		Installation Quantity: 306
Method of Implementation (Organic): Organic - Digital Interoperability - GFE		Installation Quantity: 350
Method of Implementation (Organic): Organic - FLIR SEU		Installation Quantity: 15
Method of Implementation (Organic): Organic - Gen 5 Radio ARC 210		Installation Quantity: 70
Method of Implementation (Organic): Organic - KVADR GFE		Installation Quantity: 224
Method of Implementation (Organic): Organic - Ramp Mounted Weapon System		Installation Quantity: 212
Method of Implementation (Organic): Not Installed - Archived ECPs		Installation Quantity: 2979
Method of Implementation (Organic): Organic - Slim MFD		Installation Quantity: 86
Method of Implementation (Organic): Organic - Enhanced Standby Flight Instrument		Installation Quantity: 137
Method of Implementation (Organic): Not Installed - Archived B Kits		Installation Quantity: 72
Footnotes: ⁽¹⁾ IR Suppressor: Kits are being installed as they are being delivered, kit deliveries have been delayed due to long production lead time. ⁽²⁾ Software modifications needed to incorporate ECP changes in order to correct deficiencies.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 1 / MV-22 Correction of Deficiencies and Pre Block A Through C (OSIP 022-01)

(3) Training Equipment: The increase between FY17 and FY19 is due to the Block C modification of training simulators and maintenance trainers.

(4) FY14-15 Interim Contractor Support (ICS) growth due to requirement of ICS for Interim Defensive Weapon System (IDWS).

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)			
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>)	58.379	24.085	46.982	50.057	4.900	54.957	68.002	78.793	76.193	64.704	415.544	887.639
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	58.379	24.085	46.982	50.057	4.900	54.957	68.002	78.793	76.193	64.704	415.544	887.639
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	58.379	24.085	46.982	50.057	4.900	54.957	68.002	78.793	76.193	64.704	415.544	887.639
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational Safety Improvement Program is established for the correction of readiness degraders impacting MV-22 cost per flight hour, Reliability Maintainability and Availability (RM&A), obsolescence, and reduction of life-cycle costs. These modifications (MODs) will be accomplished by field retrofit and implemented to coincide with resources and aircraft availability. In order to meet the goal of increasing readiness, the airframe and integrated systems must be modified as critical RM&A issues are identified. Funds will be used to manage, prepare, process and incorporate Engineering Change Proposals. The reliability and readiness initiatives included in the proposed OSIP are projected to have a significant positive impact to the V-22 Aircraft platform.

CURRENT/ACTIVE ECPs:

13 Wiring Harness: Improve harness reliability by reducing higher than expected failures due to chafing in the backshells and external environmental effects.

Swash plate actuator: To improve cup seal leakage issues.

Drive Tube: This effort will redesign drive tube which will eliminate an O level recurring inspection as it will decrease stresses at the lower end without affecting the interface with the mast.

Ice Protection System: Strengthens component parts which have been prone to stress failures or fraying, Central De-ice Device and Nacelle Ice Protection Control Unit / Master Ice Protection Controller.

Prop Rotor Coating: To better protect the rotor blade aiding in its longer use before needing replacement.

Engine Air Particle Separator (EAPS): Start Valve Block A/B/10 Improvements to the Start Circuit side of the EAPS Start Valve Module, will provide for increase reliability.

Constant Frequency Generator (CFG) Tilt Axis Gear Box (TAGB) Adapter: Modify the CFG-TAGB adapter to allow a modified CFG, to utilize the TAGB internal oil/air mixture to increase CFG scavenge pump efficiency.

Avionics Bay Interface Unit (Pressure Switch Interface Unit) allows real time monitoring of electrical loading on various generators and power busses, improving management in high workload to reduce replacement costs.

CFG Redesign of the constant frequency generator to significantly improve the reliability and maintainability while reducing the overall Aircraft cost.

V-22 PRGB Imp Input Quill Wavespring (Formerly known as Drive System Improvement Input Quill Wavespring): To eliminate resident issues with Input Quill Wave Spring and to Purge Fleet of Thin Densend Chrome.

Aircraft Bus Tie Circuit Reliability Improvement to provide the ability to power all buses with a battery start of the APU in the presence of a failed Regulated Converter.

Sponson refuel-defuel valve: Decreased air ingestion by improving internal components to resist vibration during engine operation.

Landing Gear Control Unit: improvement to circuit cards to better control electricity to control unit.

Primary Lighting Control Unit: increase resister control to primary lighting to prevent burn outs to control unit.

Rudder Attachment Reliability Improvement: upgrade to bearings associated with the rear rudder.

Upper and Lower Rod Ends Redesign to prevent excessive wear from normal proprotor operation.

Gimbal Assembly Increase mean time between failures of the swashplate and hub assembly (which includes the gimbal assembly).

APX-123 Replaces the APX-118 Identification, Friend or Foe transponder with the required MODE 5 capable APX-123 transponder.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)
Diverter Valve Integration: The change will reduce engine removals due to oil system failures, static oil leaks and smoky engine starts. The change also provides mitigation to FRA-2010-14, Thermal Distress Induced Turbine Wheel Spline. Nacelle Heat Exchanger: Improve Nacelle components cooling capability by increasing part reliability, maintainability, and availability. PRGB Atmospheric Protection and Mast Seal Improvement: This initiative reduces corrosion related removals due to water intrusion. Drive Link/Hub Spring Change: The drive link and hub spring are critical components of the Proprotor Hub Assembly. This effort will reduce the the current safety risk and improve readiness of aircraft. Threaded Bushing Improvements: This effort addresses Reliability and Maintainability driven issues caused by the current bushing bolts cracking. The redesigned bushing bolt will correct the cracking and separation that is occurring in the current bolt. Emergency Oxygen (O2) Bottle Gauge: Current pressure gauge is small, difficult to read and does not compensate for temperature. This effort implements a larger temperature compensated pressure gauge to allow better identification of O2 levels in the Emergency O2 Bottle utilized in the MV/CV-22 Osprey. Bellows Tailpipe: Redesign of the interface between the engine exhaust and the airframe. Engine Durability Concepts: Retrofit of Rolls-Royce developed improvements that provide a favorable Naval Aviation Enterprise (NAE) Return on Investment (ROI) but not necessarily a Rolls-Royce ROI. APU Impeller Durability: Multi-phase program with a trade/feasibility study as Phase 1. Study will include Inlet Barrier Filter (IBF) and erosion corrosion coating. Phase 2 is NRE development of downselected option. Phase 3 is retrofit. Formsprag Clutch. VSLED Vibration Transducers and Mounting Pads: Add phenolic washers between the transducer and mounting pads for sensor locations. The washers will alleviate the base strain condition by stiffening the transducer base, preventing the case flexures which cause the out-of-range spike output. SDC Impeller: Addresses root cause of Shaft Driven Compressor (SDC) Impeller removal. Life Limited Airframe Corrections: This effort addresses Safety, Readiness, Reliability and Maintainability (R&M) issues that drive the need for the incorporation of Airframe Fatigue Test Program (AFTP) structural modifications onto the MV/CV-22 Osprey. Mission Computer Obsolescence Initiative (MCOI) Retrofit: MCOI replaces several components and allows planned capabilities to operate without memory processing power or memory storage. Has a positive Return on Investment (ROI) compared too many other costs that would be absorbed (avoidance). Aft Sponson Fuel Tank (OCO): This improvement will increase combat range and endurance of the MV-22 and enable accomplishment of the Rapid Ground Refueling (RGR) mission with a single aircraft, greatly enhancing support to the Marine Air Ground Task Force during expeditionary operations. FUTURE ECPs: Infra-red Suppressor (IRS) Redesign: Eliminate some IRS components while maintaining structural support, coanda mounting points and vibration requirements. VFG GCU Redesign: integrates a new Variable Frequency Generator with a separate microprocessor controlled Generator Control Unit (GCU). Standby Flight Display (SFD): This item is obsolete with several key components that must be redesigned. No parts available to perform repairs beyond FY-16, must have qualified SFD or aircraft readiness degrades rapidly. Improved Inlet Solution: This change improves airborne particulate separation from the engine air flow by upgrading air inlet scroll. The initiative will improve engine Time on Wing (TOW). Non-Integrated Line-of-Sight Variable Message Format (LOS VMF) - Cockpit and Troop Commander upgrades to enable two way messaging of LOS VMF (aka Strikelink). Data will include text and imagery. Also addition of video send/receive capability to receive sensor video from other Marine Aviation Combat Element (ACE), Joint Forces, or Unamnned Air Vehicle platforms. This capability also includes the ability to broadcast V-22 sensor or display video to other platforms. Midair Conflict Avoidance System/Airborne Collision Avoidance System Long-term solution for Airborne Collision Avoidance to improve survivability by providing warning of impending mid-air collisions. High Power Amplifier/Low Noise Amplifier- Block C adds a new Satellite Communications antenna to the V-22, with input jacks available on the Block C Troop Commander panel. Prior year Kit buy and installs for Nose Landing Gear funded under OSIP 22-01.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)				
Models of Systems Affected: V-22 Series				Modification Type: Reliability, Cost-per-flight hour, Reduction in Total Ownership cost				Related RDT&E PEs: 0604262N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)													
A Kits													
Recurring													
1.1.1) 13 Wiring Harness - NonOrganic	63 / 3.857	43 / 1.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	106 / 5.457	
1.1.2) Swashplate Actuator - NonOrganic	48 / 0.344	48 / 0.351	48 / 0.358	48 / 0.364	- / -	48 / 0.364	51 / 0.395	35 / 0.276	- / -	- / -	- / -	278 / 2.088	
1.1.3) Drive Tube - NonOrganic	- / -	29 / 0.638	29 / 0.650	29 / 0.662	- / -	29 / 0.662	29 / 0.675	29 / 0.688	29 / 0.701	29 / 0.714	17 / 0.419	220 / 5.147	
1.1.4) Gimbal Assembly Part 2 - NonOrganic	33 / 0.669	39 / 0.794	48 / 0.996	48 / 1.015	- / -	48 / 1.015	52 / 1.120	38 / 0.834	38 / 0.850	38 / 0.866	- / -	334 / 7.144	
1.1.5) Upper and Lower Rod Ends - NonOrganic	29 / 2.610	10 / 0.900	10 / 0.917	29 / 2.710	- / -	29 / 2.710	29 / 2.762	29 / 2.814	29 / 2.868	29 / 2.922	117 / 11.789	311 / 30.292	
1.1.6) IRS Redesign - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.114	25 / 15.591	26 / 16.539	26 / 16.869	406 / 263.422	493 / 318.535	
1.1.7) APU Impeller Durability - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.300	9 / 0.306	6 / 0.208	- / -	24 / 0.814	
1.1.8) IPS (CDD) - NonOrganic	91 / 18.010	12 / 1.786	6 / 0.910	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	109 / 20.706	
1.1.9) IPS (CDD/NIPCU) - NonOrganic	34 / 1.860	- / -	6 / 1.560	3 / 0.795	- / -	3 / 0.795	- / -	- / -	- / -	- / -	- / -	43 / 4.215	
1.1.10) IPS (CDD/NIPCU) Organic - Organic	- / -	- / -	6 / 0.396	2 / 0.135	- / -	2 / 0.135	6 / 0.411	4 / 0.279	- / -	- / -	- / -	18 / 1.221	
1.1.11) SDC Impeller - Organic	- / -	- / -	- / -	105 / 5.355	- / -	105 / 5.355	105 / 5.462	105 / 5.566	93 / 5.028	- / -	- / -	408 / 21.411	
1.1.12) Nacelle Heat Exchanger - Organic	72 / 3.204	100 / 3.825	100 / 3.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	272 / 10.929	
1.1.13) Formsprag Clutch - Organic	- / -	- / -	- / -	- / -	- / -	- / -	60 / 3.000	60 / 3.060	60 / 3.121	60 / 3.184	127 / 6.739	367 / 19.104	
1.1.14) Engine Durability Concepts - Organic	- / -	- / -	90 / 2.700	90 / 2.754	- / -	90 / 2.754	90 / 2.809	90 / 2.865	90 / 2.920	- / -	- / -	450 / 14.048	
1.1.15) Bellows Tailpipe - Organic	- / -	- / -	90 / 0.225	101 / 0.257	- / -	101 / 0.257	121 / 0.314	51 / 0.135	- / -	- / -	- / -	363 / 0.931	
1.1.16) Landing Gear Control Unit - Organic	94 / 0.756	60 / 0.480	60 / 0.489	60 / 0.498	- / -	60 / 0.498	60 / 0.508	- / -	- / -	- / -	- / -	334 / 2.731	
1.1.17) PLCU Retrofit - NonOrganic	240 / 0.508	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	240 / 0.508	
1.1.18) PRGB Atmospheric Protection and Mast Seal Improvement - Organic	- / -	- / -	24 / 0.538	24 / 0.548	- / -	24 / 0.548	24 / 0.559	33 / 0.784	36 / 0.873	36 / 0.890	55 / 1.360	232 / 5.552	
1.1.19) Prop Rotor Coating Improvement - Organic	- / -	- / -	180 / 1.080	180 / 1.101	- / -	180 / 1.101	180 / 1.121	180 / 1.143	180 / 1.164	180 / 1.187	1,002 / 6.605	2,082 / 13.401	
1.1.20) Rudder Attachment Reliability Improvement - NonOrganic	66 / 0.891	66 / 0.891	60 / 0.825	60 / 0.841	- / -	60 / 0.841	13 / 0.186	- / -	- / -	- / -	- / -	265 / 3.634	
1.1.21) Nose Landing Gear Door Mechanism - NonOrganic	- / -	48 / 0.307	48 / 0.313	9 / 0.061	- / -	9 / 0.061	- / -	- / -	- / -	- / -	- / -	105 / 0.681	
1.1.22) Drive Link/Prop Rotor Hub Spring Change - NonOrganic	- / -	- / -	20 / 4.076	20 / 4.153	- / -	20 / 4.153	20 / 4.232	30 / 6.469	20 / 4.395	20 / 4.478	170 / 38.065	300 / 65.868	
1.1.23) O2 Guage - Organic	- / -	75 / 0.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 0.083	
1.1.24) Threaded Bushing Improvements - Organic	- / -	576 / 0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	576 / 0.230	
1.1.25) Life Limited Airframe Corrections - NonOrganic	- / -	- / -	6 / 0.108	16 / 0.293	- / -	16 / 0.293	24 / 0.449	24 / 0.457	24 / 0.466	24 / 0.475	91 / 1.800	209 / 4.048	
1.1.26) CFG TAGB Adapter Flange - Organic	114 / 0.125	85 / 0.094	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	199 / 0.219	

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)				
Models of Systems Affected: V-22 Series			Modification Type: Reliability, Cost-per-flight hour, Reduction in Total Ownership cost					Related RDT&E PEs: 0604262N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
1.1.27) AC Bus Tie Circuit Reliability Improvement - NonOrganic	- / -	- / -	96 / 0.432	135 / 0.620	- / -	135 / 0.620	- / -	- / -	- / -	- / -	- / -	231 / 1.052	
1.1.28) V-22 PRGB Imp Input Quill Wavespring - NonOrganic	- / -	- / -	36 / 0.648	36 / 0.661	- / -	36 / 0.661	36 / 0.674	19 / 0.363	- / -	- / -	- / -	127 / 2.346	
1.1.29) EAPS Start Valve Block - NonOrganic	- / -	41 / 0.673	36 / 0.602	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	77 / 1.275	
1.1.30) EAPS Start Valve Block A/B/C/10 Organic - Organic	- / -	- / -	36 / 0.216	36 / 0.220	- / -	36 / 0.220	36 / 0.225	36 / 0.229	48 / 0.311	- / -	- / -	192 / 1.201	
1.1.31) APX-123 - NonOrganic	28 / 0.031	34 / 0.038	37 / 0.042	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	99 / 0.111	
1.1.32) VFG GCU Redesign - Organic	- / -	- / -	- / -	- / -	- / -	- / -	100 / 3.900	100 / 3.974	83 / 3.361	- / -	- / -	283 / 11.235	
1.1.33) VSLED Vibration Transducers and Pads - Organic	- / -	- / -	197 / 0.020	27 / 0.003	- / -	27 / 0.003	- / -	- / -	- / -	- / -	- / -	224 / 0.023	
1.1.34) Stand by Flight Display - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	45 / 1.150	45 / 1.172	45 / 1.194	45 / 1.217	45 / 1.218	225 / 5.951	
1.1.35) MCOI Retrofit - NonOrganic	- / -	- / -	23 / 8.786	29 / 11.288	- / -	29 / 11.288	35 / 13.883	35 / 14.147	35 / 14.415	35 / 14.689	31 / 13.011	223 / 90.219	
1.1.36) Aft Sponson Fuel Tank (OCO) - NonOrganic	- / -	- / -	- / -	- / -	24 / 3.792	24 / 3.792	- / -	- / -	- / -	- / -	- / -	24 / 3.792	
1.1.37) Archived ECPs - Organic ⁽⁵⁾	700 / 16.977	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	700 / 16.977	
Subtotal: Recurring	- / 49.842	- / 12.690	- / 30.787	- / 34.334	- / 3.792	- / 38.126	- / 49.949	- / 61.146	- / 58.512	- / 47.699	- / 344.428	- / 693.179	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 1.512	- / 2.745	- / 3.880	- / 1.024	- / 1.012	- / 2.036	- / 1.043	- / 1.063	- / 1.082	- / 1.104	- / 2.700	- / 17.165	
Subtotal: Non-Recurring	- / 1.512	- / 2.745	- / 3.880	- / 1.024	- / 1.012	- / 2.036	- / 1.043	- / 1.063	- / 1.082	- / 1.104	- / 2.700	- / 17.165	
Subtotal: MV-22 Readiness (OSIP 028-12)	1,612 / 51.354	1,266 / 15.435	1,292 / 34.667	1,087 / 35.358	24 / 4.804	1,111 / 40.162	1,126 / 50.992	977 / 62.209	845 / 59.594	528 / 48.803	2,061 / 347.128	10,818 / 710.344	
Subtotal: Procurement, All Modification Items	- / 51.354	- / 15.435	- / 34.667	- / 35.358	- / 4.804	- / 40.162	- / 50.992	- / 62.209	- / 59.594	- / 48.803	- / 347.128	- / 710.344	
Support (All Modification Items)													
2.1) Software Modifications	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.2) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
2.3) Data	- / 0.708	- / 0.202	- / 0.252	- / 0.255	- / -	- / 0.255	- / 0.262	- / 0.242	- / 0.272	- / 0.200	- / 0.580	- / 2.973	
2.4) Training Equipment	- / -	- / 0.053	- / 0.491	- / 0.062	- / -	- / 0.062	- / 0.123	- / 0.268	- / 0.229	- / 0.141	- / -	- / 1.367	
2.5) Support Equipment	- / -	- / -	- / 0.439	- / 0.148	- / -	- / 0.148	- / 0.258	- / 0.300	- / 0.306	- / 0.312	- / 0.620	- / 2.383	
2.6) ILS	- / -	- / -	- / 0.485	- / 0.494	- / -	- / 0.494	- / 0.505	- / 0.515	- / 0.523	- / 0.533	- / 2.750	- / 5.805	
2.7) Other Support	- / 5.433	- / 3.876	- / 3.584	- / 3.653	- / -	- / 3.653	- / 3.722	- / 3.794	- / 3.865	- / 3.939	- / 23.500	- / 55.366	
2.8) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 6.141	- / 4.131	- / 5.251	- / 4.612	- / -	- / 4.612	- / 4.870	- / 5.119	- / 5.195	- / 5.125	- / 27.450	- / 67.894	
Installation													
Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)	- / 0.884	- / 4.519	- / 7.064	- / 10.087	- / 0.096	- / 10.183	- / 12.140	- / 11.465	- / 11.404	- / 10.776	- / 40.966	- / 109.401	

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey						Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)			
Models of Systems Affected: V-22 Series			Modification Type: Reliability, Cost-per-flight hour, Reduction in Total Ownership cost				Related RDT&E PEs: 0604262N					
Financial Plan	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
	Subtotal: Installation	- / 0.884	- / 4.519	- / 7.064	- / 10.087	- / 0.096	- / 10.183	- / 12.140	- / 11.465	- / 11.404	- / 10.776	- / 40.966
Total												
Total Cost (Procurement + Support + Installation)	58.379	24.085	46.982	50.057	4.900	54.957	68.002	78.793	76.193	64.704	415.544	887.639

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey			Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)	
Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)							
Manufacturer Information							
Manufacturer Name: 13 Wiring Harness				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jun 2014						
Delivery Dates	Oct 2014						
Manufacturer Name: Swashplate Actuator				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jul 2014	Jul 2015	Jul 2016	Jul 2017	Jul 2018		
Delivery Dates	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018		
Manufacturer Name: Drive Tube				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019
Delivery Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Manufacturer Name: Gimbal Assembly Part 2				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jun 2014	Jun 2015	Jun 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020
Delivery Dates	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: Upper and Lower Rod Ends				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jul 2014	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019
Delivery Dates	Sep 2014	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018	Nov 2019
Manufacturer Name: IRS Redesign				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 9			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Jan 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates				Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: IPS (CDD/NIPCU)				Manufacturer Location: N/A			

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey			Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)	
Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)							
Manufacturer Information							
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2013	Nov 2014	Nov 2015				
Delivery Dates	Nov 2014	Nov 2015	Nov 2016				
Manufacturer Name: Rudder Attachment Reliability Improvement				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 11			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2013	Oct 2014	Oct 2015	Oct 2016			
Delivery Dates	Nov 2014	Nov 2015	Nov 2016	Nov 2017			
Manufacturer Name: Nose Landing Gear Door Mechanism				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 1			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2013	Oct 2014	Oct 2015				
Delivery Dates	Nov 2013	Nov 2014	Nov 2015				
Manufacturer Name: Drive Link/Prop Rotor Hub Spring				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 7			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020
Delivery Dates		Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: Life Limited Airframe Corrections				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 4			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates		Apr 2015	Apr 2016	Apr 2017	Apr 2018	Apr 2019	Apr 2020
Manufacturer Name: AC Bus Tie Circuit Reliability Improvement				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jul 2015	Jul 2016				
Delivery Dates		Oct 2015	Oct 2016				
Manufacturer Name: V-22 PRGB Imp Input Quill Wavespring				Manufacturer Location: N/A			
Administrative Leadtime (in Months): 10				Production Leadtime (in Months): 3			

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey			Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)	
Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)							
Manufacturer Information							
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Jul 2015	Jul 2016	Jul 2017	Jul 2018		
Delivery Dates		Oct 2015	Oct 2016	Oct 2017	Oct 2018		
Manufacturer Name: APX-123/EAPS Start Valve Block A/B/C				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jan 2014	Jan 2015					
Delivery Dates	Apr 2014	Apr 2015					
Manufacturer Name: Stand by Flight Display				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Mar 2017	Mar 2018	Mar 2019	Mar 2020
Delivery Dates				Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: MCOI Retrofit				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 10			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates		Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019	Oct 2020
Manufacturer Name: PLCU Retrofit				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 10				Production Leadtime (<i>in Months</i>): 9			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Manufacturer Name: Aft Sponson Fuel Tank (OCO)				Manufacturer Location: N/A			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 5			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Mar 2016				
Delivery Dates			Aug 2016				

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey				Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)			

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: 13 Wiring Harness

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	51 / 0.385	12 / 0.058	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	63 / 0.443
FY 2014	- / -	- / -	43 / 0.209	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 0.209
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	51 / 0.385	12 / 0.058	43 / 0.209	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	106 / 0.652

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	51	3	3	3	3	10	11	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106
Out	51	3	3	3	3	10	11	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Swashplate Actuator

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	48 / 0.168	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.168
FY 2014	- / -	- / -	48 / 0.171	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.171
FY 2015	- / -	- / -	- / -	48 / 0.174	- / -	48 / 0.174	- / -	- / -	- / -	- / -	- / -	48 / 0.174
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.178	- / -	- / -	- / -	- / -	48 / 0.178
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 0.192	- / -	- / -	- / -	51 / 0.192
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.135	- / -	- / -	35 / 0.135
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	48 / 0.168	48 / 0.171	48 / 0.174	- / -	48 / 0.174	48 / 0.178	51 / 0.192	35 / 0.135	- / -	- / -	278 / 1.018

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)									

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Swashplate Actuator

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	12	9	9	9	8	-	-	-	-	-	278
Out	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	12	9	9	9	8	-	-	-	-	-	278

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Drive Tube

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	29 / 0.290	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.290
FY 2015	- / -	- / -	29 / 0.296	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.296
FY 2016	- / -	- / -	- / -	29 / 0.301	- / -	29 / 0.301	- / -	- / -	- / -	- / -	- / -	29 / 0.301
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.307	- / -	- / -	- / -	- / -	29 / 0.307
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.334	- / -	- / -	- / -	29 / 0.334
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.341	- / -	- / -	29 / 0.341
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.347	- / -	29 / 0.347
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.204	17 / 0.204
Total	- / -	29 / 0.290	29 / 0.296	29 / 0.301	- / -	29 / 0.301	29 / 0.307	29 / 0.334	29 / 0.341	29 / 0.347	17 / 0.204	220 / 2.420

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	17	220
Out	-	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	17	220

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Gimbal Assembly Part 2

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	33 / 0.388	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 0.388
FY 2014	- / -	- / -	39 / 1.714	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 1.714

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)			

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Gimbal Assembly Part 2

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	48 / 2.150	- / -	48 / 2.150	- / -	- / -	- / -	- / -	- / -	48 / 2.150
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	48 / 2.190	- / -	- / -	- / -	- / -	48 / 2.190
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 2.418	- / -	- / -	- / -	52 / 2.418
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 1.801	- / -	- / -	38 / 1.801
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 1.835	- / -	38 / 1.835
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 1.835	38 / 1.835
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	33 / 0.388	39 / 1.714	48 / 2.150	- / -	48 / 2.150	48 / 2.190	52 / 2.418	38 / 1.801	38 / 1.835	38 / 1.835	334 / 14.331

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	8	8	8	9	9	10	10	10	12	12	12	12	12	12	12	12	13	13	13	13	10	10	9	9	10	10	9	9	38	334
Out	-	8	8	8	9	9	10	10	10	12	12	12	12	12	12	12	12	13	13	13	13	10	10	9	9	10	10	9	9	38	334

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Upper and Lower Rod Ends

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	29 / 0.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.190
FY 2014	- / -	10 / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.050
FY 2015	- / -	- / -	10 / 0.051	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.051
FY 2016	- / -	- / -	- / -	29 / 0.151	- / -	29 / 0.151	- / -	- / -	- / -	- / -	- / -	29 / 0.151
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.153	- / -	- / -	- / -	- / -	29 / 0.153
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.156	- / -	- / -	- / -	29 / 0.156
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.159	- / -	- / -	29 / 0.159
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 0.162	- / -	29 / 0.162
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	117 / 0.655	117 / 0.655
Total	- / -	39 / 0.240	10 / 0.051	29 / 0.151	- / -	29 / 0.151	29 / 0.153	29 / 0.156	29 / 0.159	29 / 0.162	117 / 0.655	311 / 1.727

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Upper and Lower Rod Ends

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	9	10	10	10	2	2	3	3	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	117	311
Out	-	9	10	10	10	2	2	3	3	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	7	7	7	8	117	311

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: IRS Redesign

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.140	- / -	- / -	- / -	10 / 0.140
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.357	- / -	- / -	25 / 0.357
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 0.378	- / -	26 / 0.378
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 0.390	26 / 0.390
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	406 / 6.002	406 / 6.002
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.140	25 / 0.357	26 / 0.378	432 / 6.392	493 / 7.267

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	6	6	6	7	6	6	7	7	432	493	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	6	6	6	7	6	6	7	7	432	493	

Method of Implementation: Contractor Field Mod Team:: Installation Name: IPS CDD/NIPCU

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	39 / 0.189	52 / 0.252	34 / 0.986	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	125 / 1.427
FY 2014	- / -	- / -	12 / 0.072	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.072

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey			Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: IPS CDD/NIPCU

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	12 / 0.347	- / -	12 / 0.347	- / -	- / -	- / -	- / -	- / -	12 / 0.347
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.089	- / -	- / -	- / -	- / -	3 / 0.089
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	39 / 0.189	52 / 0.252	46 / 1.058	12 / 0.347	- / -	12 / 0.347	3 / 0.089	- / -	- / -	- / -	- / -	152 / 1.935

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	39	13	13	13	13	11	11	12	12	3	3	4	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152
Out	39	13	13	13	13	11	11	12	12	3	3	4	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152

Method of Implementation: [none specified]:: Installation Name: PLCU Retrofit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	240 / 0.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	240 / 0.450
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	240 / 0.450	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	240 / 0.450

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)									

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: [none specified]:: Installation Name: PLCU Retrofit

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	61	61	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240
Out	-	61	61	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Rudder Attachment Reliability Improvement

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	66 / 0.924	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 0.924
FY 2014	- / -	- / -	66 / 0.942	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 0.942
FY 2015	- / -	- / -	- / -	60 / 0.872	- / -	60 / 0.872	- / -	- / -	- / -	- / -	- / -	60 / 0.872
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	60 / 0.889	- / -	- / -	- / -	- / -	60 / 0.889
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.196	- / -	- / -	- / -	13 / 0.196
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	66 / 0.924	66 / 0.942	60 / 0.872	- / -	60 / 0.872	60 / 0.889	13 / 0.196	- / -	- / -	- / -	265 / 3.823

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	16	16	17	17	16	16	17	17	15	15	15	15	15	15	15	15	6	7	-	-	-	-	-	-	-	-	-	-	-	265
Out	-	16	16	17	17	16	16	17	17	15	15	15	15	15	15	15	15	6	7	-	-	-	-	-	-	-	-	-	-	-	265

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Nose Landing Gear Door Mechanism

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	48 / 0.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.297

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)			

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Nose Landing Gear Door Mechanism

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	48 / 0.303	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 0.303
FY 2016	- / -	- / -	- / -	9 / 0.109	- / -	9 / 0.109	- / -	- / -	- / -	- / -	- / -	9 / 0.109
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	48 / 0.297	48 / 0.303	9 / 0.109	- / -	9 / 0.109	- / -	- / -	- / -	- / -	- / -	105 / 0.709

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	12	12	12	12	12	12	12	12	2	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105
Out	-	12	12	12	12	12	12	12	12	2	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Drive Link/Prop Rotor Hub Spring Change

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	20 / 1.060	- / -	20 / 1.060	- / -	- / -	- / -	- / -	- / -	20 / 1.060
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.080	- / -	- / -	- / -	- / -	20 / 1.080
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.100	- / -	- / -	- / -	20 / 1.100
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 1.682	- / -	- / -	30 / 1.682
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.143	- / -	20 / 1.143
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.143	20 / 1.143
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	170 / 8.572	170 / 8.572
Total	- / -	- / -	- / -	20 / 1.060	- / -	20 / 1.060	20 / 1.080	20 / 1.100	30 / 1.682	20 / 1.143	190 / 9.715	300 / 15.780

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)									

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Drive Link/Prop Rotor Hub Spring Change

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	7	7	8	8	5	5	5	5	190	300
Out	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	7	7	8	8	5	5	5	5	190	300

Method of Implementation: Contractor Drive-In Modification:: Installation Name: Life Limited Airframe Corrections

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	6 / 1.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.080
FY 2016	- / -	- / -	- / -	16 / 2.935	- / -	16 / 2.935	- / -	- / -	- / -	- / -	- / -	16 / 2.935
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.486	- / -	- / -	- / -	- / -	24 / 4.486
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.571	- / -	- / -	- / -	24 / 4.571
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.658	- / -	- / -	24 / 4.658
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 4.746	- / -	24 / 4.746
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	91 / 17.996	91 / 17.996
Total	- / -	- / -	6 / 1.080	16 / 2.935	- / -	16 / 2.935	24 / 4.486	24 / 4.571	24 / 4.658	24 / 4.746	91 / 17.996	209 / 40.472

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	3	3	-	-	8	8	-	-	12	12	-	-	12	12	-	-	12	12	-	-	12	12	91	209
Out	-	-	-	-	-	-	-	3	3	-	-	8	8	-	-	12	12	-	-	12	12	-	-	12	12	-	-	12	12	91	209

Method of Implementation: Contractor Field Modification:: Installation Name: AC Bus Tie Circuit Reliability Improvement

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey				Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)			

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Field Modification:: Installation Name: AC Bus Tie Circuit Reliability Improvement

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	96 / 0.690	- / -	96 / 0.690	- / -	- / -	- / -	- / -	- / -	96 / 0.690
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	135 / 1.170	- / -	- / -	- / -	- / -	135 / 1.170
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	96 / 0.690	- / -	96 / 0.690	135 / 1.170	- / -	- / -	- / -	- / -	231 / 1.860

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	24	24	24	24	33	34	34	34	-	-	-	-	-	-	-	-	-	-	-	-	-	231
Out	-	-	-	-	-	-	-	-	-	24	24	24	24	33	34	34	34	-	-	-	-	-	-	-	-	-	-	-	-	-	231

Method of Implementation: Contractor Standard Depot Level Maintenance:: Installation Name: V-22 PRGB Imp Input Quill Wavesprin

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	36 / 0.263	- / -	36 / 0.263	- / -	- / -	- / -	- / -	- / -	36 / 0.263
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.268	- / -	- / -	- / -	- / -	36 / 0.268
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 0.273	- / -	- / -	- / -	36 / 0.273
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 0.147	- / -	- / -	19 / 0.147
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	36 / 0.263	- / -	36 / 0.263	36 / 0.268	36 / 0.273	19 / 0.147	- / -	- / -	127 / 0.951

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)									

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Standard Depot Level Maintenance:: Installation Name: V-22 PRGB Imp Input Quill Wavesprin

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	9	9	9	9	9	9	9	9	9	9	9	9	5	5	5	4	-	-	-	-	-	127
Out	-	-	-	-	-	-	-	-	-	9	9	9	9	9	9	9	9	9	9	9	9	5	5	5	4	-	-	-	-	-	127

Method of Implementation: Contractor Drive In Mod:: Installation Name: EAPS/APX-123

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	28 / 0.310	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.310
FY 2014	- / -	75 / 1.452	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 1.452
FY 2015	- / -	- / -	73 / 1.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 1.240
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	28 / 0.310	75 / 1.452	73 / 1.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	176 / 3.002

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	28	-	-	37	38	-	-	36	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176		
Out	28	-	-	37	38	-	-	36	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176		

Method of Implementation: Contractor Field Modification:: Installation Name: Stand by Flight Display

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)			

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Field Modification:: Installation Name: Stand by Flight Display

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.450	- / -	- / -	- / -	45 / 0.450
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.458	- / -	- / -	45 / 0.458
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.467	- / -	45 / 0.467
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.467	45 / 0.467
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.468	45 / 0.468
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 0.450	45 / 0.458	45 / 0.467	90 / 0.935	225 / 2.310

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11	11	12	11	11	11	12	11	11	11	12	90	225
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11	11	12	11	11	11	12	11	11	11	12	90	225

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: MCOI Retrofit

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	23 / 1.035	- / -	23 / 1.035	- / -	- / -	- / -	- / -	- / -	23 / 1.035
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	29 / 1.330	- / -	- / -	- / -	- / -	29 / 1.330
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.635	- / -	- / -	- / -	35 / 1.635
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.666	- / -	- / -	35 / 1.666
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.698	- / -	35 / 1.698
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.715	35 / 1.715
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 1.519	31 / 1.519
Total	- / -	- / -	- / -	23 / 1.035	- / -	23 / 1.035	29 / 1.330	35 / 1.635	35 / 1.666	35 / 1.698	66 / 3.234	223 / 10.598

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey					Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)									

Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)

Installation Information

Method of Implementation: Contractor Forced Retrofit of Components:: Installation Name: MCOI Retrofit

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	5	6	6	6	7	7	7	8	8	9	9	9	8	9	9	9	8	9	9	9	66	223
Out	-	-	-	-	-	-	-	-	-	5	6	6	6	7	7	7	8	8	9	9	9	8	9	9	9	8	9	9	9	66	223

Method of Implementation: [none specified]:: Installation Name: Aft Sponson Fuel Tank (OCO)

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	24 / 0.096	24 / 0.096	- / -	- / -	- / -	- / -	- / -	24 / 0.096
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	24 / 0.096	24 / 0.096	- / -	- / -	- / -	- / -	- / -	24 / 0.096

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
Out	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24

Method of Implementation (Organic): Organic - APU Impeller Durability

Installation Quantity: 24

Method of Implementation (Organic): Organic - IPS (CDD/NIPCU) Organic

Installation Quantity: 18

Method of Implementation (Organic): Organic - SDC Impeller

Installation Quantity: 408

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0590 / V-22 (Tilt/Rotor Acft) Osprey	Modification Number / Title: 2 / MV-22 Readiness (OSIP 028-12)
Modification Item 1 of 1: MV-22 Readiness (OSIP 028-12)		
Installation Information		
Method of Implementation (Organic): Organic - Nacelle Heat Exchanger		Installation Quantity: 272
Method of Implementation (Organic): Organic - Formsprag Clutch		Installation Quantity: 367
Method of Implementation (Organic): Organic - Engine Durability Concepts		Installation Quantity: 450
Method of Implementation (Organic): Organic - Bellows Tailpipe		Installation Quantity: 363
Method of Implementation (Organic): Organic - Landing Gear Control Unit		Installation Quantity: 334
Method of Implementation (Organic): Organic - PRGB Atmospheric Protection and Mast Seal Improvement		Installation Quantity: 232
Method of Implementation (Organic): Organic - Prop Rotor Coating Improvement		Installation Quantity: 2082
Method of Implementation (Organic): Organic - O2 Guage		Installation Quantity: 75
Method of Implementation (Organic): Organic - Threaded Bushing Improvements		Installation Quantity: 576
Method of Implementation (Organic): Organic - CFG TAGB Adapter Flange		Installation Quantity: 199
Method of Implementation (Organic): Organic - EAPS Start Valve Block A/B/C/10 Organic		Installation Quantity: 192
Method of Implementation (Organic): Organic - VFG GCU Redesign		Installation Quantity: 283
Method of Implementation (Organic): Organic - VSLED Vibration Transducers and Pads		Installation Quantity: 224
Method of Implementation (Organic): Not Installed - Archived ECPs		Installation Quantity: 700
Footnotes: ⁽⁵⁾ Gimbal Assembly is a 2 part ECP. It has now been broken out into Part 1 and Part 2 in the budget exhibit.		

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 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0592 / F-35 STOVL Series					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0604800M				
Line Item MDAP/MAIS Code: 198			Item MDAP/MAIS Code(s):									
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>)	0.000	111.158	215.819	256.106	-	256.106	170.624	175.250	16.752	17.641	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	111.158	215.819	256.106	-	256.106	170.624	175.250	16.752	17.641	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	111.158	215.819	256.106	-	256.106	170.624	175.250	16.752	17.641	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The F-35 Joint Strike Fighter (JSF) Program will develop and deploy a family of highly common, affordable, next generation, stealthy, multi-role strike fighters that meet the needs of multiple services and countries. The United States Marine Corps Short Take Off and Vertical Landing (STOVL) correction of deficiencies effort provides near and long term improvements to the fleet, focusing on documented deficiencies related to safety, maintainability, and aircraft systems. These modifications and selected component changes are being accomplished by field and depot retrofit. In order to meet emerging deficiencies the airframe and integrated systems must be modified as critical corrections/changes are identified. Funds will be used to manage, prepare, process and incorporate concurrency changes to sustain and improve STOVL system operations. Concurrency changes are implemented to coincide with resources and aircraft availability. Block upgrades provide more robust performance in navigation, weapons, avionics, survivability, maneuverability, maintainability, and mission deployment of the STOVL platform. This modification program will bring early production aircraft and integrated systems to a common fleet configuration as fielded capabilities evolve over the course of the F-35 program. The modification funding requested in the 2016 President's Budget enables several distinct efforts pertaining to the Marine STOVL aircraft to include post aircraft delivery concurrency retrofits, the block upgrade of hardware and software to a Block 3i configuration, and the block upgrade of software components to a full Block 3F configuration. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES The overlap of development with production and operations results in the need to manage a concurrency program and conduct retrofits on jets with life-limited parts or impacts to capabilities. For the F-35 program, the emergence of new concurrency issues is expected to phase out with the completion of SDD in the FY18 timeframe. Block 3i Fleet Release is planned by 4th Qtr FY15, Block 3F Fleet Release is planned by 4th Qtr FY17 and Block 4 DT&E (funded through the Follow On Development Project Unit) Fleet Release is planned by 2nd QTR 2022.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0592 / F-35 STOVL Series		
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0604800M	
Line Item MDAP/MAIS Code: 198		Item MDAP/MAIS Code(s):					

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)
1 / F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14) (Capability Improvement)	P-3a		- / 0.000	- / 38.123	- / 72.187	- / 63.516	- / -	- / 63.516
2 / F-35 STOVL CONCURRENCY (OSIP 023-14) (Capability Improvement)	P-3a		- / 0.000	- / 73.035	- / 143.632	- / 187.560	- / -	- / 187.560
3 / F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16) (Capability Improvement)	P-3a		- / 0.000	- / -	- / -	- / 5.030	- / -	- / 5.030
Total Gross/Weapon System Cost			- / 0.000	- / 111.158	- / 215.819	- / 256.106	- / -	- / 256.106

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14) (Capability Improvement)	P-3a		- / 9.273	- / 2.588	- / 0.236	- / -	- / -	- / 185.923
2 / F-35 STOVL CONCURRENCY (OSIP 023-14) (Capability Improvement)	P-3a		- / 161.249	- / 170.163	- / 16.465	- / 17.641	Continuing	Continuing
3 / F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16) (Capability Improvement)	P-3a		- / 0.102	- / 2.499	- / 0.051	- / -	- / -	- / 7.682
Total Gross/Weapon System Cost			- / 170.624	- / 175.250	- / 16.752	- / 17.641	Continuing	Continuing

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

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

Justification:
 Basis for FY 2016 budget request: FY16 STOVL active inventory is 47 aircraft. FY 2016 funding is requested for upgrades to 11 LRIP 2-5 JSF STOVLs to Block 3i configuration, 4 LRIP 3-4 JSF STOVLs to Block 3F configuration and for the highest priority concurrency modifications to support the USMC Iwakuni deployment.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 1 / F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)

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>	0.000	38.123	72.187	63.516	-	63.516	9.273	2.588	0.236	-	-	185.923
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	38.123	72.187	63.516	-	63.516	9.273	2.588	0.236	-	-	185.923
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	38.123	72.187	63.516	-	63.516	9.273	2.588	0.236	-	-	185.923
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The block upgrade program retrofits United States Marine Corps Short Takeoff and Vertical Landing (STOVL) aircraft and integrated systems procured under the Low Rate Initial Production (LRIP) contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

This effort (OSIP 015-14) focuses on upgrading Blocks 1B, 2A, and 2B aircraft from LRIPs 2-5 to a Block 3i configuration. Block 3i is a stepping stone to the Block 3F configuration. It includes the procurement of Tech Refresh 2 (TR2) hardware for the Block 3i configuration. The parts include new radar modules, new Integrated Core Processor (ICP) modules and rack, and new Electronic Warfare (EW) modules. The Gen III Helmet will also be introduced as part of the Block 3i upgrade. This effort includes tooling and test equipment for Military Service Depots to support the execution of the Block Upgrade program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3i Fleet Release is planned to occur by 4th Qtr FY15.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0592 / F-35 STOVL Series				Modification Number / Title: 1 / F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)					
Models of Systems Affected: F-35 STOVL				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800M					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)													
B Kits													
Recurring													
1.1.1) EQUIPMENT Block 3i - NonOrganic	- / -	6 / 24.214	14 / 57.572	11 / 53.288	- / -	11 / 53.288	1 / 4.900	- / -	- / -	- / -	- / -	32 / 139.974	
Subtotal: Recurring	- / 0.000	- / 24.214	- / 57.572	- / 53.288	- / -	- / 53.288	- / 4.900	- / -	- / -	- / -	- / -	- / 139.974	
Subtotal: F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)	- / -	6 / 24.214	14 / 57.572	11 / 53.288	- / -	11 / 53.288	1 / 4.900	- / -	- / -	- / -	- / -	32 / 139.974	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 24.214	- / 57.572	- / 53.288	- / -	- / 53.288	- / 4.900	- / -	- / -	- / -	- / -	- / 139.974	
Support (All Modification Items)													
2.1) ILS	- / -	- / 9.360	- / 1.986	- / 2.046	- / -	- / 2.046	- / -	- / -	- / -	- / -	- / -	- / 13.392	
2.2) Other Support	- / -	- / -	- / 7.944	- / 8.182	- / -	- / 8.182	- / -	- / -	- / -	- / -	- / -	- / 16.126	
2.3) Training Equipment	- / -	- / 4.549	- / 4.685	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.234	
Subtotal: Support	- / 0.000	- / 13.909	- / 14.615	- / 10.228	- / -	- / 10.228	- / -	- / -	- / -	- / -	- / -	- / 38.752	
Installation													
Modification Item 1 of 1: F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.373	- / 2.588	- / 0.236	- / -	- / -	- / 7.197	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.373	- / 2.588	- / 0.236	- / -	- / -	- / 7.197	
Total													
Total Cost (Procurement + Support + Installation)	0.000	38.123	72.187	63.516	-	63.516	9.273	2.588	0.236	-	-	185.923	

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0592 / F-35 STOVL Series			Modification Number / Title: 1 / F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)		

Modification Item 1 of 1: F-35 STOVL BLOCK 3i LRIP 2-5 UPGRADE (OSIP 015-14)

Manufacturer Information

Manufacturer Name: Lockheed Martin ⁽¹⁾				Manufacturer Location: Fort Worth, TX			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 20			

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2015	Mar 2015	Mar 2016	Mar 2017			
Delivery Dates	Nov 2016	May 2017	Nov 2017	Nov 2018			

Installation Information

Method of Implementation: Depot Field Team:: Installation Name: Block 3i

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.176	- / -	- / -	- / -	- / -	6 / 1.176
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	14 / 3.197	- / -	- / -	- / -	- / -	14 / 3.197
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 2.588	- / -	- / -	- / -	11 / 2.588
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.236	- / -	- / -	1 / 0.236
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.373	11 / 2.588	1 / 0.236	- / -	- / -	32 / 7.197

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	7	7	3	3	3	2	1	-	-	-	-	-	-	-	-	32
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	7	7	3	3	3	2	1	-	-	-	-	-	-	-	-	32

Footnotes:

⁽¹⁾ Depot Field Team Install

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)

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)	0.000	73.035	143.632	187.560	-	187.560	161.249	170.163	16.465	17.641	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	73.035	143.632	187.560	-	187.560	161.249	170.163	16.465	17.641	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	73.035	143.632	187.560	-	187.560	161.249	170.163	16.465	17.641	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This effort (OSIP 023-14) funds retrofits due to concurrency changes to correct deficiencies discovered after DD-250 of the last aircraft in a given Low Rate Initial Production (LRIP) lot. This includes modifications required to extend aircraft service life currently limited by low-life parts, and relieve capability limitations driven by concurrency of production with development.

The concurrency funding line will procure the highest priority modifications from the Tri-Service Modification Prioritization List, as they become supportable from an engineering, production, and installation standpoint. The list is vetted by the Services and Partners every 6 months to ensure the list accurately reflects existing requirements as well as emerging issues. Per-kit costs will vary for each modification being implemented, and in some cases will also vary for aircraft from different LRIP lots to implement an individual modification. For FY16, the highest priority modifications will directly support the USMC Iwakuni deployment.

Total cost reflects procurement and installation costs in each fiscal year. Support costs include overall modification program planning, scheduling, and management; and support of Military and Service Depots and Depot Field Teams for incorporation of modifications.

The following modifications will be the highest priorities for accomplishment throughout the STOVL fleet using funds from this OSIP. HQMC identified A, B, and C priority modifications as requirements for Initial Operational Capability (IOC), and D priority modifications as long-term retrofit needs following IOC. FY16 concurrency funds will also be used to implement IOC modifications across the rest of the USMC F-35B fleet.

TI Number	Mod	CR Title
TI-0000-1089	CR-021694	LRIP 3 Aux Air Inlet (AAI) Door Install
TI-0000-1324	CR-022656	Structural Cracking of Aft MLG Door Drive Link U-Joint
TI-0000-0116	CR-011738B	Full Qualified Clutch Cooling Fan
TI-0000-0367	CR-014114C	Engine Trailer Adapter Kit - FS556 Interface, J27006/J27007
TI-0000-0121	CR-014289B	Lift Fan Exhaust / Inboard Weapon Bay Door Interference
TI-0000-0396	CR-014289C	WBDD Limit Life, ECU
TI-0000-0655	CR-014819D	EO DAS Center Fuselage Vibration Testing
TI-0000-0373	CR-015026B	Aux Air Inlet Lock Actuation Mechanism
TI-0000-0423	CR-016270C	BLEED AIR SYSTEM DUCTING DESIGN
TI-0000-0099	CR-017502	J75503 Wrap Around Adapter Set
TI-0000-0683	CR-017534B	Rev- HT Bearing Issues

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)
TI-0000-0463 CR-017913B Support - Fairing, Mid, LH/RH TI-0000-0058 CR-018274 Back-Up Radio Tray Clearance TI-0000-0968 CR-018524 Material Removal Allowance for IPP Blocker and Screen TI-0000-0027 CR-018524A IPP Exhaust (STOVL) TI-0000-0138 CR-018564B Wingtip Light Improvement For FAA Compliance TI-0000-0825 CR-022768D LEF Improvements TI-0000-0031 CR-018835 Nose Wheel Steering (NWS) Motor TI-0000-0015 CR-018836 Stress Failure of Hydraulic Tube Support Bracket TI-0000-0063 CR-018838A Bootstrap Accumulator Redesign TI-0000-0045 CR-019003 CTOL/STOVL MLG SDD & LRIP Part Number Rolls TI-0000-0056 CR-019004B IPP Controller Part Number Roll TI-0000-0057 CR-019005 STOVL GO3 Control Valve Part Number Roll TI-0000-0117 CR-019107 CTOL Trestle Inst Cotter Pin TI-0000-0165 CR-019135B R3 Float Valve with Mechanical Thread Locking TI-0000-0231 CR-019340B PTMS EHA Cooling Orifices ? CTOL & STOVL TI-0000-0101 CR-023102A Lift Fan Inlet Door Full Qualification Part Number Roll TI-0000-0245 CR-019469C Antenna Switch Unit TI-0000-0264 CR-019516A PTMS Controller TI-0000-0124 CR-019533 Controller, Motor Pump Qual Failure (GMMP) TI-0000-0561 CR-019683E STOVL FS 496 Bulkhead Trunnion TI-0000-0280 CR-019841 Cockpit Panels Pushbutton Switch Simultaneity TI-0000-0398 CR-019930C Arresting Hook Aft Door Spring Damper Part Number Roll TI-0000-0375 CR-019979 STOVL IRCM Doors Bushing to Lug Interference TI-0000-0208 CR-020003A CTOL Arresting Gear Push Rods TI-0000-0424 CR-020066A Firewall Shutoff Valve Part Number Roll TI-0000-0477 CR-020097A CTOL EHAS Panels TI-0000-0875 CR-020189 CV Main Landing Gear Retract Actuator TI-0000-0130 CR-020289 EMERGENCY CONTROL VALVE QUAL FAILURE TI-0000-0575 CR-020289A ULF & 3BSD Emergency Control Valve TI-0000-0608 CR-020396D Fwd Upper Engine Mount (CTOL) TI-0000-0456 CR-020396D Bulkhead - FS 450 TI-0000-0457 CR-020396D Bulkhead - FS 472 TI-0000-0458 CR-020396D Bulkhead - FS 518 (Upper) TI-0000-0460 CR-020396D Bulkhead - FS 556 TI-0000-0432 CR-020397A Short Life - CTOL Wing Forward Root Rib TI-0000-0602 CR-020398A Brake Control Unit (BCU) TI-0000-0538 CR-020593 EHA Flaperon Support Equipment Locations TI-0000-0363 CR-020636A TRS Component Changes from Qual Test Failures TI-0000-0412 CR-020680B Wing Lighting Controller ? Salt Fog Failure TI-0000-0331 CR-020725 WBDDS RGAs Limited Life - Change Request Approval TI-0000-0654 CR-020726A IDMS Connector Ref Des Swap TI-0000-0673 CR-020743B Ordnance Quick Latch System (OQLS) ? Clip Lock TI-0000-0137 CR-020793 Pump, Motor GND Maint Qual Failure TI-0000-0132 CR-020907B Valve, Mechanical Sequence - T Qual Failure		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)
TI-0000-0811 CR-021167A 2WSH54239 CV Rear Spar TI-0000-0810 CR-021168 2WSH64241: CV Frame TI-0000-0817 CR-021170 2WSH44162: CV RH Tail Hook Longerons TI-0000-0631 CR-021180 Countermeasures Doors & NNMSB/WSESRB Concerns TI-0000-0263 CR-021181 Power Panel 1, 2, 3 TI-0000-0544 CR-021194 Limited Life STOVL Mid Fairing Longerons TI-0000-0558 CR-021194 Short Life Parts: Keel Beam RH TI-0000-0559 CR-021194 Short Life Parts: NLG Drag Brace Ftg TI-0000-0566 CR-021194 Short Life Parts: Support, Otbd, FS 502.65 LH/RH TI-0000-0617 CR-021194 Limited Life STOVL STA 3/9 Aft Rib TI-0000-0545 CR-021217 Limited Life STOVL Nacelle Vent Inlet TI-0000-0564 CR-021217 STOVL Forward Root Rib (L6/U6) TI-0000-0808 CR-021259 Weapons Bay Door Uplock Sealing TI-0000-0098 CR-022768D CTOL Nose Landing Gear TI-0000-0910 CR-021395A PCD EU Cooling Rework TI-0000-0607 CR-021434 Limited Life CTOL STA 3/9 Aft Rib TI-0000-0135 CR-021459B Engine Driven Pump Life Limit TI-0000-0895 CR-021557A Arm Disable Current Leakage Path Correction TI-0000-0848 CR-021621 2CSH20930 Splice, Fuel Floor/Root Rib, FS 402, RHS/LHS" TI-0000-0377 CR-021694 Aux Air Inlet Door Redesign TI-0000-0845 CR-021891 CV VT Aft Moment Fitting Life Limited Structures Part TI-0000-0626 CR-021905A SMSFRIU SDD/LRIP Arm Disable Input TI-0000-0998 CR-021915B CTOL and CV Refuel System Mod TI-0000-0897 CR-022058 Roll Control Nozzle Door Redesign TI-0000-0495 CR-022105F OBIGGS & Pressure/Vent Changes for Lightning Protection TI-0000-0133 CR-022196A Filter Module, Pressure Qual Failure TI-0000-1011 CR-022226A L-Band Pre-Selector (LBPS) Calibration for Mode 5 TI-0000-0802 CR-022695 CTOL Main Landing Gear TI-0000-0703 CR-022515A Roll Post Door Actuator Life Limitation TI-0000-1101 CR-022647A GMMP Controller EEE outage TI-0000-1092 CR-022666 Landing Taxi Light Redesign TI-0000-0119 CR-022736 MWARS Replacement TI-0000-0866 TBD Production Ejection Seat (-0023) TI-0000-1099 CR-022841B ATQA Mounting Bolt Interface TI-0000-0064 CR-022872 Counter Measures Door Control Valve on AF:6 TI-0000-0158 CR-022877 WBDD Flexible Cable Re-design TI-0000-0191 CR-024623 270V BCCU TI-0000-0574 CR-023121 B/D Electronics Units Modifications TI-0000-1485 CR-023282 CA F1 Feed Tank Gasket TI-0000-1540 CR-023332A CV Rudder Hinge 2 TI-0000-1372 CR-023355D EW Block-2 DRFM Module Firmware Issue TI-0000-1652 CR-023599 Rudder Slider Hinge Wear TI-0000-1654 CR-023712 CV Right Hand (RH) Center Fuselage Avionics Bay Floor TI-0000-2548 CR-023712 CV Center Fuselage FS 402 Outboard Joint Limited Life		

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)
TI-0000-2551	CR-024031	L-Band Power Amplifier (LBPA) Update for LINK-16	
TI-0000-1709	CR-024114	Carrier Variant Marker Beacon Antenna	
TI-0000-2513	CR-024153	CV IPP Shear Web Limited Life	
TI-0000-1207	CR-024162	Vehicle Management Computer (VMC) Electrical Connection Issue	
TI-0000-0441	CR-20773A	CTOL FS 594 Centre Arch Low Life	
TI-0000-1549	CR-023540A	Firmware Update for AMS Cartridge Reset SPAR	
TI-0000-0405	CR-23769	"EDU Random Vibration Failures"	
TI-0000-0702	CR-24090	CV Fwd Arresting Gear Door Actuator Life Limitation	
TI-0000-2554	CR-24872	J84001 Fiber Optic Inspection Set ? Extension Handle DR?s	
TI-0000-0122	TBD	28V BATTERY AND CHARGER CHANGES	
TI-0000-0129	TBD	MLG Control Valve Part Number Roll	
TI-0000-0709	CR-022768D	HT EHA Block Change for LRIP 4	
TI-0000-0282	TBD	Update to Audio Control Electronics (ACE) Unit	
TI-0000-0469	TBD	Composite BOS 2ZCH42000-0002 Assemblies	
TI-0000-0583	TBD	CTOL STOVL Rudder EHA Design Change	
TI-0000-0906	TBD	NLG Lug Inspection and Support Stiffener	
TI-0000-1097	CR-022972	Ball Joint Salt Fog Failure	
TI-0000-0913	TBD	LEFAS PDU Resolver and Rotor Shaft Seal Life	
TI-0000-1113	CR-024000	AESG Power Connector Rating (Generator)	
TI-0000-1256	TBD	CV Nose Landing Gear Drag Brace Door Cracking	
TI-0000-1396	TBD	HTCA with End Gland Material Issue	
TI-0000-0336	CR-024982	Panoramic Cockpit Display (PCD) Major Variances - DU	
TI-0000-0343	CR-024982	Panoramic Cockpit Display (PCD) Major Variances - EU	
TI-0000-0480	CR-025000	ICC Qual Issues	
TI-0000-2784	TBD	CNI 3A & 3B Integrated Backplane Assembly (IBA) Upgrades	
TI-0000-0221	TBD	DAS Refuel Lights Lenses	
TI-0000-0406	CR-025271	Ordnance Hoist System (OHS) Hoist	
TI-0000-1102	CR-022481B	BH-1 Weapons Bay Doors	
TI-0000-1472	TBD	Gun Port Door Threads in Bearing Issue	
TI-0000-0329	CR-021982	Refueling Bay and Nozzle Clash LRIP 1-3 Modification	
TI-0000-0781	CR-023432	3BSM NBD - Assembly Changes	
TI-0000-1446	TBD	CV Fuel Dump	
TI-0000-0908	CR-023802	STOVL Fuel Dump (CCDD LRIP2-051)	
TI-0000-1000	CR-022481	Inboard Weapon Bay Door Flipper Door Design Change	
TI-0000-1060	CR-022121	Final Finishes	
TI-0000-1078	CR-025006	AF1 Nacelle Insulation	
TI-0000-0180	TBD	CTOL Fuel Floor Tooling Holes ? Bay 207 to Gun Bay	
TI-0000-0787	CR-024068	HMDS Path Forward	
TI-0000-1048	CR-023982	Panoramic Cockpit Display-Electronic Unit (PCD-EU)	
TI-0000-1062	TBD	CV Main Landing Gear	
TI-0000-1063	TBD	CV Nose Landing Gear	
TI-0000-0284	TBD	STOVL Canopy frame	
TI-0000-0316	TBD	CTOL FS 496 Bulkhead Trunnion	
TI-0000-0321	TBD	Lift Fan Exhaust Door Aft Uplock Hook Failure	

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)
TI-0000-0467	TBD	Fuel Floor - FS496-556, LH	
TI-0000-0468	TBD	Fuel Floor - FS496-556, RH	
TI-0000-0486	TBD	Short Life - STOVL Inner Wing FS518 Lower Bulkhead	
TI-0000-0543	TBD	Path Forward for Outboard Rib at Station 2 and 10	
TI-0000-0556	TBD	STOVL Short Life Parts: Aft Mid Keel	
TI-0000-0638	TBD	STOVL BL 0.0 Web Fwd Upper Engine Mount Support	
TI-0000-0813	TBD	CV Life Limited Structures Part - LH/RH Pylon Sta 3 Aft Rib	
TI-0000-0815	TBD	2WSH24212 CV FWD Upper Engine Mount	
TI-0000-0816	TBD	2WSH34496 - CV FS 496 Bkhd Station 6	
TI-0000-1440	TBD	STOVL Thrust Mount Shear Webs	
TI-0000-0723	TBD	EOTS PBS Startup Timeline	
TI-0000-0055	CR-019070	IPP Bay Vent Fan Electrical Bond	
TI-0000-0281	CR-020226	Hoist Point Cover FIP Proposal	
TI-0000-1023	CR-022936	Roll Nozzle and Duct Bay - BALD Sensors redesign	
TI-0000-0193	CR-021921B	EW Gain State Control Logic Error	
TI-0000-1365	CR-022721A	Cat Launch Shock Exceeds INS PBS	
TI-0000-0448	TBD	Add -0007 ASSCA/-0006 ATQA To Aircraft TVE	
TI-0000-0842	TBD	2ESH10095 CV HT Rib 5 Life Limited Structures Part	
TI-0000-0976	TBD	BF6 and BF8 RCS ATP	
TI-0000-0819	TBD	Liquid Cooling System Cart - Facility AC Power Interface	
TI-0000-1134	TBD	Cabin Pressure Tester	
TI-0000-1198	TBD	HT Heating	
TI-0000-0361	CR-023382	Vertical Tail 575 Fitting	
TI-0000-0386	CR-025191	Fuel System Major Variance for LRIP 1 ? Signal Amplifier	
TI-0000-0516	CR-022972	AAR Probe Weak Link Adaptor Re-design	
TI-0000-0576	CR-020289A	Refuel Probe/Tailhook Emergency Control Valve	
TI-0000-0578	CR-020289A	Aux Inlet Door Emergency Control Valve	
TI-0000-1082	TBD	Power Panel 1 & 2 Random Vibration Failures	
TI-0000-1203	CR-021217	Life Limited 402 Frame	
TI-0000-1289	CR022737	US16E Ejection Seat / MWARS Retrofit Configuration Proposal	
TI-0000-1421	TBD	STOVL Main Landing Gear	
TI-0000-1422	CR-021388A	STOVL Nose Landing Gear	
TI-0000-1483	TBD	Power Panel 3 Random Vibration Failures - Second Failure	
TI-0000-1486	CR-023838	STOVL FS 503 Frame / IPP Shear Web Durability Test Failure	
TI-0000-1515	CR-024000	ESG Service Life (Generator) -0003	
TI-0000-1551	TBD	28V Battery Full Qualification	
TI-0000-1589	CR-023300	Hydraulic System Single Point Failure	
TI-0000-1786	CR-023729	FS-402 Frame (TIN-075)	
TI-0000-1857	TBD	2GHH42033 Time Delay Valve ? Fully Qualified Part	
TI-0000-2467	CR-025204	CTOL FS 503 Frame Limited Life	
TI-0000-2468	CR-025204	CTOL IPP Shear Web Limited Life Discovery	
TI-0000-2641	CR-024341	STOVL Short Shank Condition, Engine Access Panel	
TI-0000-2674	CR-24794	Cracking of Bifurcation Seam Treatment	
TI-0000-2892	CR-025079	BF5 IRCM Hinge to Drive Link Clash	

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series		Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)
TI-0000-1552	TBD	28V BCCU Lightning Compliance	
TI-0000-2682	TBD	AR Probe Light	
TI-0000-0884	CR-024000	AESG - Material & Workmanship	
TI-0000-1142	TBD	Missionized Gun System Jumper Panel Hoses and Drain Seal	
TI-0000-1796	CR-025271	Ordnance Hoist System (OHS) Motor	
TI-0000-2506	TBD	Gun Port Blast Mislocation	
TI-0000-2546	TBD	Weapon bay light departing aircraft during flight	
TI-0000-2833	TBD	Gun System Muzzle and Purge Door Time Out	
TI-0000-0387	CR-016910	Fuel System Major Variance for LRIP 1 ? Dive Rate Performance	
TI-0000-1161	CR-22656	STOVL Aft MLG Door Cracking	
TI-0000-1518	CR-024193	PAO Cooling Orifices In Center Fuselage Cold Liquid Loop	
TI-0000-1783	TBD	Canopy Boot Cracking	
TI-0000-2633	CR-024265	Flaperon Blade Seal Buckling	
TI-0000-2672	TBD	Radome Shroud Gapping / Trimming	
TI-0000-2909	CR-025167	IPP Bay High Flow Air Duct Separation	
TI-0000-2931	TBD	CV NLG Drag Brace Cylinder and Steering Motor	
TI-0000-0236	CR-019412	FPS Fire and Bleed Leak Controller (FBLC) Redesign	
TI-0000-0260	CR-016633C	Canopy Actuation System	
TI-0000-0738	CR-025142	Modified Fuel Dump Valve (T28a)	
TI-0000-0772	TBD	PTMS Turbomachine/ACCM Cable Interface Changes	
TI-0000-0327	TBD	STOVL High Sea State Fuel Stowage ? Rev B to CR-016712A	
TI-0000-0737	TBD	IPP Purge Issue Due to Low Fuel Shutdown	
TI-0000-1650	CR-022737	MWARS for Production Seat	
TI-0000-1653	CR-23490	Ground Maintenance Valve Deletion to Prevent PAO in Cockpit (DR 1-4815699)	
TI-0000-2416	TBD	CV Drag Strut - Alt Gear Extension	
TI-0000-2450	CR-023901	Bleed Air Sensor Fitting Galling	
TI-0000-2635	TBD	CV NLG Interference Problems - OBOGs routing	
TI-0000-2725	CR-024162	Vehicle Management Computer (VMC)	
TI-0000-2834	CR-024904	Boarding Ladder Cracks	
TI-0000-2889	TBD	WBDDS Supplier Disclosure on Lower Breakaway Torque	
TI-0000-0771	CR-16464B	Install Battery into CNI Rack 3A and 3B	
TI-0000-0945	TBD	CTOL Audio Control Electronics (ACE) In-Flight Refueling	
TI-0000-1056	CR-016660C	RADAR 1A & 1B Racks -0002 Cut-in	
TI-0000-2818	CR-025046	EOTS LoS Pointing Angle	
TI-0000-1093	CR-023616	CV Arresting Gear	
TI-0000-0358	TBD	Production Ejection Seat (-0021)	
TI-0000-0514	TBD	Lift Fan Inlet Maintenance Fix	
TI-0000-0579	TBD	Auto Pilot	
TI-0000-1520	TBD	CV Nose Landing Gear Aircraft Integration	
TI-0000-1761	TBD	HT EHA Solenoid Valve (SOV) Qual Test Failure	
TI-9999-0655	TBD	EO DAS Center Fuselage Vibration Testing	
TI-0000-0730	TBD	CV Rudder EHA	
TI-0000-0833	CR-021053	Short Shank Condition on Engine Inspection Panels	
TI-0000-1122	TBD	LEFAS Foldbox Lug Cracking	

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series		Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)
TI-0000-1192	TBD	CTOL Thrust Mount Shear Web	
TI-0000-1494	TBD	PTMS Turbomachine Configuration to Correct Qualification Failures	
TI-0000-1499	TBD	FS 472 Bulkhead Crack BH-1	
TI-0000-1541	TBD	CV HT LOWER SKIN BOLTS SD-2013-010	
TI-0000-1649	TBD	CV LEFAS Asymmetry Brake Lug Cracking	
TI-0000-1655	CR-024025	STOVL Right Hand (RH) and Left Hand (LH) Rear Spar Lower Flange Fatigue Cracks	
TI-0000-2423	TBD	CV Lower FS 518 Design Change	
TI-0000-2448	CR-023966A	CV Thrust Mount Shear Web - Service Life	
TI-0000-2670	TBD	Durability Findings 2013 and Bulkhead FS 496	
TI-0000-2813	TBD	Durability Findings and FS 450, 472, 556, 518 Lower and IRCM Fitting	
TI-0000-2814	TBD	Durability Findings 2013 FS 575 Center Arch Frame	
TI-0000-1104	TBD	CTOL Ventilation Leakage from Bay 207L	
TI-0000-0992	CR-013553	Outboard Vertical Tail Seal Redesign	
TI-0000-0904	CR-021759	Backup Radio Guide Pin Misalignment	
TI-0000-1053	CR-022138	Fire Suppression Bottle Low Clearance	
TI-0000-2675	TBD	Roll Nozzle Bay - BALD Sensors - Supplier Disclosure	
TI-0000-2921	CR-025116	Gun Vent Door Unpainted Brackets	
TI-0000-0485	TBD	J12003 Ejection Seat Stand Design Issues	
TI-0000-0660	TBD	J26007 LF Driveshaft	
TI-0000-0799	TBD	Canopy Sling	
TI-0000-1337	TBD	DR 1-2076141 Tool Boxes not within weight standards	
TI-0000-1338	TBD	DR 1-2565051 Tool Set Shipboard FOD Hazard	
TI-0000-1629	TBD	Deployable Mission Rehearsal Trainer #1	
TI-0000-1658	TBD	Changes to Support Turning on AMC's Algorithms in ALIS	
TI-0000-2440	TBD	J26035 Adapter, Drive Shaft Compression Galling issue	
TI-0000-2699	CR-023093C	Fibre Channel Switch Design Issues -0005	
TI-0000-2797	TBD	SE Weight Label and Forklift Provisions	
TI-0000-2954	TBD	STOVL NLG EEE Failure	
TI-0000-1408	TBD	AEL, Aft Sector	
TI-0000-2865	TBD	TR2 and SP-SPIO	
TI-7777-0004	CR-013644D	MLG Strut Redesign	
TI-7777-0007	CR-015718A	OBOGS Plenum HEPA Filter Provisioning	
TI-7777-0010	CR-016660B	Radar Harness Redesign	
TI-7777-0024	CR-018697	Gun Gas Purge & Gun Port Door Actuators	
TI-7777-0031	CR-018544	Brake Control Electronic Unit Update	
TI-7777-0042	CR-018487A	Return Fuel Cooler HX Coating	
TI-7777-0057	CR-018378	Nacelle Fan - Full Qualified Configuration	
TI-7777-0077	CR-009382B	Small Diameter Bomb (SDB) Rack Strut	
TI-7777-0081	CR-014768E	270V BCCU Change	
TI-7777-0083	TBD	EHAS/LEFAS -0011 EU & Rack Config Update	
TI-7777-0084	CR-016708A	ACCM Filter Pin	
TI-7777-0085	CR-016758A	Replacement of Door Actuator Lock Assemblies	
TI-7777-0087	CR-016909A	Flaperon EHA Pump Design Change	
TI-7777-0089	CR-017095	Avionics Bay Environmental Seal Change	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)
TI-7777-0093 CR-017505 Flow Sensor EMI/Vibration TI-7777-0095 CR-017773 Manual Drive Unit TI-7777-0097 CR-017937A IEU Lightning Compliance TI-7777-0098 TBD CTOL Structure Redesign for Updated Gun Loads TI-7777-0101 CR-15956A NLG Down Lock Actuator TI-7777-0102 CR-016633C Canopy Actuation System TI-7777-0106 CR-016912 WBD Fwd Uplock Roller Bracket DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES For the F-35 program, the emergence of new concurrency issues is expected to phase out with the completion of SDD in the FY18 timeframe.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0592 / F-35 STOVL Series					Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)				
Models of Systems Affected: F-35 STOVL				Modification Type: Capability Improvement					Related RDT&E PEs: 0604800M				
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: F-35 STOVL CONCURRENCY (OSIP 023-14)													
A Kits													
Recurring													
1.1.1) Structures - Organic	- / -	- / -	- / 68.943	- / 69.397	- / -	- / 69.397	- / 45.150	- / 44.242	- / 5.598	- / 6.174	Continuing	Continuing	
1.1.2) Concurrency - Organic	- / -	- / 37.302	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.302	
1.1.3) Mission Systems - Organic	- / -	- / -	- / 12.927	- / 15.005	- / -	- / 15.005	- / 12.901	- / 13.613	- / 1.647	- / 1.941	Continuing	Continuing	
1.1.4) Vehicle Systems - Organic	- / -	- / -	- / 10.054	- / 11.253	- / -	- / 11.253	- / 9.675	- / 10.211	- / 1.153	- / 1.411	Continuing	Continuing	
1.1.5) Propulsion - Organic	- / -	- / 35.733	- / 43.090	- / 76.901	- / -	- / 76.901	- / 77.399	- / 81.678	- / 5.763	- / 5.293	Continuing	Continuing	
Subtotal: Recurring	- / 0.000	- / 73.035	- / 135.014	- / 172.556	- / -	- / 172.556	- / 145.125	- / 149.744	- / 14.161	- / 14.819	Continuing	Continuing	
Subtotal: F-35 STOVL CONCURRENCY (OSIP 023-14)	- / -	- / 73.035	- / 135.014	- / 172.556	- / -	- / 172.556	- / 145.125	- / 149.744	- / 14.161	- / 14.819	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 73.035	- / 135.014	- / 172.556	- / -	- / 172.556	- / 145.125	- / 149.744	- / 14.161	- / 14.819	Continuing	Continuing	
Support (All Modification Items)													
2.1) ILS	- / -	- / -	- / 5.386	- / 7.502	- / -	- / 7.502	- / 9.675	- / 11.911	- / 1.317	- / 1.588	Continuing	Continuing	
2.2) Other Support	- / -	- / -	- / 3.232	- / 7.502	- / -	- / 7.502	- / 6.449	- / 8.508	- / 0.987	- / 1.234	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / 8.618	- / 15.004	- / -	- / 15.004	- / 16.124	- / 20.419	- / 2.304	- / 2.822	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	73.035	143.632	187.560	-	187.560	161.249	170.163	16.465	17.641	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0592 / F-35 STOVL Series			Modification Number / Title: 2 / F-35 STOVL CONCURRENCY (OSIP 023-14)	
Modification Item 1 of 1: F-35 STOVL CONCURRENCY (OSIP 023-14)							
Manufacturer Information							
Manufacturer Name: Various ⁽²⁾					Manufacturer Location: Various		
Administrative Leadtime <i>(in Months)</i> : 0					Production Leadtime <i>(in Months)</i> : 0		
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		
Footnotes: ⁽²⁾ Quantities will vary with each mod.							

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 3 / F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)

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)	0.000	-	-	5.030	-	5.030	0.102	2.499	0.051	-	-	7.682
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	-	5.030	-	5.030	0.102	2.499	0.051	-	-	7.682
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	-	5.030	-	5.030	0.102	2.499	0.051	-	-	7.682
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The block upgrade program retrofits United States Marine Corps Short Takeoff and Vertical Landing (STOVL) aircraft and integrated systems procured under the Low Rate Initial Production (LRIP) contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

This effort (OSIP 005-16) focuses on the Block 3F configuration upgrade effort for 32 LRIP 2-5 and 18 LRIP 6-8 STOVL aircraft and integrated systems. All of the LRIP 2-5 STOVL aircraft receiving the Block 3F software under this OSIP will have already received the Block 3i hardware under OSIP 015-14. This effort purchases all necessary software and installation labor to ensure LRIP 2-8 STOVL aircraft are upgraded to a Block 3F baseline for full warfighting capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3F Fleet Release is planned to occur by 4th Qtr FY17.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0592 / F-35 STOVL Series				Modification Number / Title: 3 / F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)					
Models of Systems Affected: F-35 STOVL				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800M					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)													
B Kits													
Recurring													
1.1.1) Block 3F LRIP 2-5 - NonOrganic		- / -	- / -	- / -	4 / 0.004	- / -	4 / 0.004	2 / 0.002	31 / 0.031	1 / 0.001	- / -	- / -	38 / 0.038
1.1.2) Block 3F LRIP 6-8 - NonOrganic		- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.018	- / -	- / -	- / -	18 / 0.018
Subtotal: Recurring		- / 0.000	- / -	- / -	- / 0.004	- / -	- / 0.004	- / 0.002	- / 0.049	- / 0.001	- / -	- / -	- / 0.056
Subtotal: F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)		- / -	- / -	- / -	4 / 0.004	- / -	4 / 0.004	2 / 0.002	49 / 0.049	1 / 0.001	- / -	- / -	56 / 0.056
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / -	- / 0.004	- / -	- / 0.004	- / 0.002	- / 0.049	- / 0.001	- / -	- / -	- / 0.056
Support (All Modification Items)													
2.1) Training Equipment		- / -	- / -	- / -	- / 4.826	- / -	- / 4.826	- / -	- / -	- / -	- / -	- / -	- / 4.826
Subtotal: Support		- / 0.000	- / -	- / -	- / 4.826	- / -	- / 4.826	- / -	- / -	- / -	- / -	- / -	- / 4.826
Installation													
Modification Item 1 of 1: F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)		- / 0.000	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.100	- / 2.450	- / 0.050	- / -	- / -	- / 2.800
Subtotal: Installation		- / 0.000	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.100	- / 2.450	- / 0.050	- / -	- / -	- / 2.800
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	-	5.030	-	5.030	0.102	2.499	0.051	-	-	7.682

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0592 / F-35 STOVL Series										Modification Number / Title: 3 / F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)											
Modification Item 1 of 1: F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin - Block 3F LRIP 2-5														Manufacturer Location: Fort Worth, TX																	
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 3																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates										Oct 2015				Oct 2016				Oct 2017				Oct 2018									
Delivery Dates										Jan 2016				Jan 2017				Jan 2018				Jan 2019									
Manufacturer Name: Lockheed Martin - Block 3F LRIP 6-8														Manufacturer Location: Fort Worth, TX																	
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 3																	
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																		Oct 2017													
Delivery Dates																		Jan 2018													
Installation Information																															
Method of Implementation: [none specified]:: Installation Name: Block 3F LRIP 2-5																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	- / -	- / -	- / -	- / -	- / -	4 / 0.200																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.100	- / -	- / -	- / -	- / -	2 / 0.100																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 1.550	- / -	- / -	- / -	31 / 1.550																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.050	- / -	- / -	1 / 0.050																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	2 / 0.100	31 / 1.550	1 / 0.050	- / -	- / -	38 / 1.900																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	4	-	-	2	-	-	-	10	10	11	-	1	-	-	-	-	-	-	-	38
Out	-	-	-	-	-	-	-	-	-	-	-	4	-	-	2	-	-	-	10	10	11	-	1	-	-	-	-	-	-	-	38

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0592 / F-35 STOVL Series	Modification Number / Title: 3 / F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)

Modification Item 1 of 1: F-35 STOVL BLOCK 3F UPGRADE (OSIP 005-16)

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: Block 3F LRIP 6-8

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.900	- / -	- / -	- / -	18 / 0.900
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.900	- / -	- / -	- / -	18 / 0.900

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	-	-	-	-	-	-	-	-	-	-	18
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	-	-	-	-	-	-	-	-	-	-	18

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0593 / F-35 CV Series					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0604800N				
Line Item MDAP/MAIS Code: 198			Item MDAP/MAIS Code(s):									
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>)	0.000	29.950	20.502	68.527	-	68.527	47.294	50.707	17.214	17.484	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	29.950	20.502	68.527	-	68.527	47.294	50.707	17.214	17.484	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	29.950	20.502	68.527	-	68.527	47.294	50.707	17.214	17.484	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The F-35 Joint Strike Fighter (JSF) Program will develop and deploy a family of highly common, affordable, next generation, stealthy, multi-role strike fighters that meet the needs of multiple services and countries. The United States Navy Carrier Variant (CV) correction of deficiencies effort provides near and long term improvements to the fleet, focusing on documented deficiencies related to safety, maintainability, and aircraft systems. These modifications and selected component changes are being accomplished by field and depot retrofit. In order to meet emerging deficiencies the airframe and integrated systems must be modified as critical corrections/changes are identified. Funds will be used to manage, prepare, process and incorporate concurrency changes to sustain and improve CV system operations. Concurrency changes are implemented to coincide with resources and aircraft availability. Block upgrades provide more robust performance in navigation, weapons, avionics, survivability, maneuverability, maintainability, and mission deployment of the CV platform. This modification program will bring early production aircraft and integrated systems to a common fleet configuration as fielded capabilities evolve over the course of the F-35 program. The modification funding requested in the 2016 President's Budget enables several distinct efforts pertaining to the Navy CV aircraft to include post aircraft delivery concurrency retrofits, the block upgrade of hardware and software to a Block 3i configuration, and the block upgrade of software components to a full Block 3F configuration. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES The overlap of development with production and operations results in the need to manage a concurrency program and conduct retrofits on jets with life-limited parts or impacts to capabilities. For the F-35 program, the emergence of new concurrency issues is expected to phase out with the completion of SDD in the FY18 timeframe. Block 3i Fleet Release is planned by 4th Qtr FY15, Block 3F Fleet Release is planned by 4th Qtr FY17 and Block 4 Fleet Release is planned by 2nd Qtr 2022.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft					P-1 Line Item Number / Title: 0593 / F-35 CV Series			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0604800N		
Line Item MDAP/MAIS Code: 198		Item MDAP/MAIS Code(s):						

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)
1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14) (Capability Improvement)	P-3a		- / 0.000	- / 27.614	- / 19.135	- / 18.049	- / -	- / 18.049
2 / F-35 CV CONCURRENCY (OSIP 024-14) (Capability Improvement)	P-3a		- / 0.000	- / 2.336	- / 1.367	- / 48.513	- / -	- / 48.513
3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17) (Capability Improvement)	P-3a		- / 0.000	- / -	- / -	- / 1.965	- / -	- / 1.965
Total Gross/Weapon System Cost			- / 0.000	- / 29.950	- / 20.502	- / 68.527	- / -	- / 68.527

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14) (Capability Improvement)	P-3a		- / 2.844	- / 1.779	- / -	- / -	- / -	- / 69.421
2 / F-35 CV CONCURRENCY (OSIP 024-14) (Capability Improvement)	P-3a		- / 43.889	- / 48.163	- / 17.214	- / 17.484	Continuing	Continuing
3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17) (Capability Improvement)	P-3a		- / 0.561	- / 0.765	- / -	- / -	- / -	- / 3.291
Total Gross/Weapon System Cost			- / 47.294	- / 50.707	- / 17.214	- / 17.484	Continuing	Continuing

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

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

Justification:

Basis for FY 2016 budget request: FY16 Total inventory of CV aircraft is 15. FY 2016 funding is requested for upgrades to 3 LRIP 4-5 JSF CVs to Block 3i configuration, 6 LRIP 4-5 JSF CVs to Block 3F configuration and for the highest priority concurrency modifications to support USN IOC, pilot training and tactics development.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)

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>)	0.000	27.614	19.135	18.049	-	18.049	2.844	1.779	-	-	-	69.421
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	27.614	19.135	18.049	-	18.049	2.844	1.779	-	-	-	69.421
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	27.614	19.135	18.049	-	18.049	2.844	1.779	-	-	-	69.421
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The block upgrade program retrofits United States Navy Carrier Variant (CV) aircraft and integrated systems procured under the Low Rate Initial Production (LRIP) contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

This effort (OSIP 016-14) focuses on upgrading Blocks 2A and 2B aircraft from LRIPs 4-5 to a Block 3i configuration. Block 3i is a stepping stone to the Block 3F configuration. It includes the procurement of Tech Refresh 2 (TR2) hardware for the Block 3i configuration. The parts include new radar modules, new Integrated Core Processor (ICP) modules and rack, and new Electronic Warfare (EW) modules. The Gen III helmet will also be introduced as part of the Block 3i upgrade. This effort includes tooling and test equipment for Military Service Depots to support execution of the Block Upgrade program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3i Fleet Release is planned to occur by 4th Qtr FY15.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0593 / F-35 CV Series				Modification Number / Title: 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)				
Models of Systems Affected: F-35 CV				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800N				
Financial Plan	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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement												
<i>Modification Item 1 of 1:</i> F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)												
B Kits												
Recurring												
1.1.1) EQUIPMENT Block 3i - NonOrganic	- / -	5 / 22.832	3 / 14.110	3 / 14.533	- / -	3 / 14.533	- / -	- / -	- / -	- / -	- / -	11 / 51.475
<i>Subtotal: Recurring</i>	- / 0.000	- / 22.832	- / 14.110	- / 14.533	- / -	- / 14.533	- / -	- / -	- / -	- / -	- / -	- / 51.475
<i>Subtotal: F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)</i>	- / -	5 / 22.832	3 / 14.110	3 / 14.533	- / -	3 / 14.533	- / -	- / -	- / -	- / -	- / -	11 / 51.475
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 22.832	- / 14.110	- / 14.533	- / -	- / 14.533	- / -	- / -	- / -	- / -	- / -	- / 51.475
Support (All Modification Items)												
2.1) ILS	- / -	- / 3.218	- / 0.683	- / 0.703	- / -	- / 0.703	- / 0.210	- / 0.215	- / -	- / -	- / -	- / 5.029
2.2) Other Support	- / -	- / -	- / 2.731	- / 2.813	- / -	- / 2.813	- / 0.840	- / 0.858	- / -	- / -	- / -	- / 7.242
2.3) Training Equipment	- / -	- / 1.564	- / 1.611	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.175
<i>Subtotal: Support</i>	- / 0.000	- / 4.782	- / 5.025	- / 3.516	- / -	- / 3.516	- / 1.050	- / 1.073	- / -	- / -	- / -	- / 15.446
Installation												
<i>Modification Item 1 of 1:</i> F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.794	- / 0.706	- / -	- / -	- / -	- / 2.500
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.794	- / 0.706	- / -	- / -	- / -	- / 2.500
Total												
Total Cost (Procurement + Support + Installation)	0.000	27.614	19.135	18.049	-	18.049	2.844	1.779	-	-	-	69.421

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)

Modification Item 1 of 1: F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)

Manufacturer Information

Manufacturer Name: Lockheed Martin ⁽¹⁾				Manufacturer Location: Fort Worth, TX			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 20			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2015	Mar 2015	Mar 2016				
Delivery Dates	Nov 2016	May 2017	Nov 2017				

Installation Information

Method of Implementation: Depot Field Team:: Installation Name: Block 3i

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.109	- / -	- / -	- / -	- / -	5 / 1.109
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.685	- / -	- / -	- / -	- / -	3 / 0.685
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.706	- / -	- / -	- / -	3 / 0.706
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.794	3 / 0.706	- / -	- / -	- / -	11 / 2.500

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	11

Footnotes:

⁽¹⁾ Depot Field Team Install

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)

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>)	0.000	2.336	1.367	48.513	-	48.513	43.889	48.163	17.214	17.484	Continuing	Continuing
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	0.000	2.336	1.367	48.513	-	48.513	43.889	48.163	17.214	17.484	Continuing	Continuing
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	0.000	2.336	1.367	48.513	-	48.513	43.889	48.163	17.214	17.484	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This effort (OSIP 024-14) funds retrofits due to concurrency changes to correct deficiencies discovered after DD-250 of the last aircraft in a given Low Rate Initial Production (LRIP) lot. This includes modifications required to extend aircraft service life currently limited by low-life parts, and relieve capability limitations driven by concurrency of production with development.

The concurrency funding line will procure the highest priority modifications from the Tri-Service Modification Prioritization List, as they become supportable from an engineering, production, and installation standpoint. The list is vetted by the Services and Partners every 6 months to ensure the list accurately reflects existing requirements as well as emerging issues. Per-kit costs will vary for each modification being implemented, and in some cases will also vary for aircraft from different LRIP lots to implement an individual modification. For FY16, the highest priority modifications will directly support USN Initial Operational Capability (IOC), pilot training and tactics development.

Total cost reflects procurement and installation costs in each fiscal year. Support costs include overall modification program planning, scheduling, and management; and support of Military and Service Depots and Depot Field Teams for incorporation of modifications.

The following modifications will be the highest priorities for accomplishment throughout the CV fleet using funds from this OSIP. Commander, Naval Air Forces Atlantic identified A, B and C priority modifications as short-term requirements prior to IOC, and D priority modifications as long-term retrofit needs following IOC. FY16 concurrency funds will also be used to implement IOC modifications across the rest of the F-35C fleet.

TI Number	Mod	CR Title
TI-0000-1089	CR-021694	LRIP 3 Aux Air Inlet (AAI) Door Install
TI-0000-1324	CR-022656	Structural Cracking of Aft MLG Door Drive Link U-Joint
TI-0000-0116	CR-011738B	Full Qualified Clutch Cooling Fan
TI-0000-0367	CR-014114C	Engine Trailer Adapter Kit - FS556 Interface, J27006/J27007
TI-0000-0121	CR-014289B	Lift Fan Exhaust / Inboard Weapon Bay Door Interference
TI-0000-0396	CR-014289C	WBDD Limit Life, ECU
TI-0000-0655	CR-014819D	EO DAS Center Fuselage Vibration Testing
TI-0000-0373	CR-015026B	Aux Air Inlet Lock Actuation Mechanism
TI-0000-0423	CR-016270C	BLEED AIR SYSTEM DUCTING DESIGN
TI-0000-0099	CR-017502	J75503 Wrap Around Adapter Set
TI-0000-0683	CR-017534B	Rev- HT Bearing Issues

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)
TI-0000-0463 CR-017913B Support - Fairing, Mid, LH/RH TI-0000-0058 CR-018274 Back-Up Radio Tray Clearance TI-0000-0968 CR-018524 Material Removal Allowance for IPP Blocker and Screen TI-0000-0027 CR-018524A IPP Exhaust (STOVL) TI-0000-0138 CR-018564B Wingtip Light Improvement For FAA Compliance TI-0000-0825 CR-022768D LEF Improvements TI-0000-0031 CR-018835 Nose Wheel Steering (NWS) Motor TI-0000-0015 CR-018836 Stress Failure of Hydraulic Tube Support Bracket TI-0000-0063 CR-018838A Bootstrap Accumulator Redesign TI-0000-0045 CR-019003 CTOL/STOVL MLG SDD & LRIP Part Number Rolls TI-0000-0056 CR-019004B IPP Controller Part Number Roll TI-0000-0057 CR-019005 STOVL GO3 Control Valve Part Number Roll TI-0000-0117 CR-019107 CTOL Trestle Inst Cotter Pin TI-0000-0165 CR-019135B R3 Float Valve with Mechanical Thread Locking TI-0000-0231 CR-019340B PTMS EHA Cooling Orifices ? CTOL & STOVL TI-0000-0101 CR-023102A Lift Fan Inlet Door Full Qualification Part Number Roll TI-0000-0245 CR-019469C Antenna Switch Unit TI-0000-0264 CR-019516A PTMS Controller TI-0000-0124 CR-019533 Controller, Motor Pump Qual Failure (GMMP) TI-0000-0561 CR-019683E STOVL FS 496 Bulkhead Trunnion TI-0000-0280 CR-019841 Cockpit Panels Pushbutton Switch Simultaneity TI-0000-0398 CR-019930C Arresting Hook Aft Door Spring Damper Part Number Roll TI-0000-0375 CR-019979 STOVL IRCM Doors Bushing to Lug Interference TI-0000-0208 CR-020003A CTOL Arresting Gear Push Rods TI-0000-0424 CR-020066A Firewall Shutoff Valve Part Number Roll TI-0000-0477 CR-020097A CTOL EHAS Panels TI-0000-0875 CR-020189 CV Main Landing Gear Retract Actuator TI-0000-0130 CR-020289 EMERGENCY CONTROL VALVE QUAL FAILURE TI-0000-0575 CR-020289A ULF & 3BSD Emergency Control Valve TI-0000-0608 CR-020396D Fwd Upper Engine Mount (CTOL) TI-0000-0456 CR-020396D Bulkhead - FS 450 TI-0000-0457 CR-020396D Bulkhead - FS 472 TI-0000-0458 CR-020396D Bulkhead - FS 518 (Upper) TI-0000-0460 CR-020396D Bulkhead - FS 556 TI-0000-0432 CR-020397A Short Life - CTOL Wing Forward Root Rib TI-0000-0602 CR-020398A Brake Control Unit (BCU) TI-0000-0538 CR-020593 EHA Flaperon Support Equipment Locations TI-0000-0363 CR-020636A TRS Component Changes from Qual Test Failures TI-0000-0412 CR-020680B Wing Lighting Controller ? Salt Fog Failure TI-0000-0331 CR-020725 WBDDS RGAs Limited Life - Change Request Approval TI-0000-0654 CR-020726A IDMS Connector Ref Des Swap TI-0000-0673 CR-020743B Ordnance Quick Latch System (OQLS) ? Clip Lock TI-0000-0137 CR-020793 Pump, Motor GND Maint Qual Failure TI-0000-0132 CR-020907B Valve, Mechanical Sequence - T Qual Failure		

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)
TI-0000-0811 CR-021167A 2WSH54239 CV Rear Spar TI-0000-0810 CR-021168 2WSH64241: CV Frame TI-0000-0817 CR-021170 2WSH44162: CV RH Tail Hook Longeron TI-0000-0631 CR-021180 Countermeasures Doors & NNMSB/WSESRB Concerns TI-0000-0263 CR-021181 Power Panel 1, 2, 3 TI-0000-0544 CR-021194 Limited Life STOVL Mid Fairing Longeron TI-0000-0558 CR-021194 Short Life Parts: Keel Beam RH TI-0000-0559 CR-021194 Short Life Parts: NLG Drag Brace Ftg TI-0000-0566 CR-021194 Short Life Parts: Support, Otbd, FS 502.65 LH/RH TI-0000-0617 CR-021194 Limited Life STOVL STA 3/9 Aft Rib TI-0000-0545 CR-021217 Limited Life STOVL Nacelle Vent Inlet TI-0000-0564 CR-021217 STOVL Forward Root Rib (L6/U6) TI-0000-0808 CR-021259 Weapons Bay Door Uplock Sealing TI-0000-0098 CR-022768D CTOL Nose Landing Gear TI-0000-0910 CR-021395A PCD EU Cooling Rework TI-0000-0607 CR-021434 Limited Life CTOL STA 3/9 Aft Rib TI-0000-0135 CR-021459B Engine Driven Pump Life Limit TI-0000-0895 CR-021557A Arm Disable Current Leakage Path Correction TI-0000-0848 CR-021621 2CSH20930 Splice, Fuel Floor/Root Rib, FS 402, RHS/LHS" TI-0000-0377 CR-021694 Aux Air Inlet Door Redesign TI-0000-0845 CR-021891 CV VT Aft Moment Fitting Life Limited Structures Part TI-0000-0626 CR-021905A SMSFRIU SDD/LRIP Arm Disable Input TI-0000-0998 CR-021915B CTOL and CV Refuel System Mod TI-0000-0897 CR-022058 Roll Control Nozzle Door Redesign TI-0000-0495 CR-022105F OBIGGS & Pressure/Vent Changes for Lightning Protection TI-0000-0133 CR-022196A Filter Module, Pressure Qual Failure TI-0000-1011 CR-022226A L-Band Pre-Selector (LBPS) Calibration for Mode 5 TI-0000-0802 CR-022695 CTOL Main Landing Gear TI-0000-0703 CR-022515A Roll Post Door Actuator Life Limitation TI-0000-1101 CR-022647A GMMP Controller EEE outage TI-0000-1092 CR-022666 Landing Taxi Light Redesign TI-0000-0119 CR-022736 MWARS Replacement TI-0000-0866 TBD Production Ejection Seat (-0023) TI-0000-1099 CR-022841B ATQA Mounting Bolt Interface TI-0000-0064 CR-022872 Counter Measures Door Control Valve on AF:6 TI-0000-0158 CR-022877 WBDD Flexible Cable Re-design TI-0000-0191 CR-024623 270V BCCU TI-0000-0574 CR-023121 B/D Electronics Units Modifications TI-0000-1485 CR-023282 CA F1 Feed Tank Gasket TI-0000-1540 CR-023332A CV Rudder Hinge 2 TI-0000-1372 CR-023355D EW Block-2 DRFM Module Firmware Issue TI-0000-1652 CR-023599 Rudder Slider Hinge Wear TI-0000-1654 CR-023712 CV Right Hand (RH) Center Fuselage Avionics Bay Floor TI-0000-2548 CR-023712 CV Center Fuselage FS 402 Outboard Joint Limited Life		

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)
TI-0000-2551 CR-024031 L-Band Power Amplifier (LBPA) Update for LINK-16 TI-0000-1709 CR-024114 Carrier Variant Marker Beacon Antenna TI-0000-2513 CR-024153 CV IPP Shear Web Limited Life TI-0000-1207 CR-024162 Vehicle Management Computer (VMC) Electrical Connection Issue TI-0000-0441 CR-20773A CTOL FS 594 Centre Arch Low Life TI-0000-1549 CR-023540A Firmware Update for AMS Cartridge Reset SPAR TI-0000-0405 CR-23769 "EDU Random Vibration Failures" TI-0000-0702 CR-24090 CV Fwd Arresting Gear Door Actuator Life Limitation TI-0000-2554 CR-24872 J84001 Fiber Optic Inspection Set ? Extension Handle DR?s TI-0000-0122 TBD 28V BATTERY AND CHARGER CHANGES TI-0000-0129 TBD MLG Control Valve Part Number Roll TI-0000-0709 CR-022768D HT EHA Block Change for LRIP 4 TI-0000-0282 TBD Update to Audio Control Electronics (ACE) Unit TI-0000-0469 TBD Composite BOS 2ZCH42000-0002 Assemblies TI-0000-0583 TBD CTOL STOVL Rudder EHA Design Change TI-0000-0906 TBD NLG Lug Inspection and Support Stiffener TI-0000-1097 CR-022972 Ball Joint Salt Fog Failure TI-0000-0913 TBD LEFAS PDU Resolver and Rotor Shaft Seal Life TI-0000-1113 CR-024000 AESG Power Connector Rating (Generator) TI-0000-1256 TBD CV Nose Landing Gear Drag Brace Door Cracking TI-0000-1396 TBD HTCA with End Gland Material Issue TI-0000-0336 CR-024982 Panoramic Cockpit Display (PCD) Major Variances - DU TI-0000-0343 CR-024982 Panoramic Cockpit Display (PCD) Major Variances - EU TI-0000-0480 CR-025000 ICC Qual Issues TI-0000-2784 TBD CNI 3A & 3B Integrated Backplane Assembly (IBA) Upgrades TI-0000-0221 TBD DAS Refuel Lights Lenses TI-0000-0406 CR-025271 Ordnance Hoist System (OHS) Hoist TI-0000-1102 CR-022481B BH-1 Weapons Bay Doors TI-0000-1472 TBD Gun Port Door Threads in Bearing Issue TI-0000-0329 CR-021982 Refueling Bay and Nozzle Clash LRIP 1-3 Modification TI-0000-0781 CR-023432 3BSM NBD - Assembly Changes TI-0000-1446 TBD CV Fuel Dump TI-0000-0908 CR-023802 STOVL Fuel Dump (CCDD LRIP2-051) TI-0000-1000 CR-022481 Inboard Weapon Bay Door Flipper Door Design Change TI-0000-1060 CR-022121 Final Finishes TI-0000-1078 CR-025006 AF1 Nacelle Insulation TI-0000-0180 TBD CTOL Fuel Floor Tooling Holes ? Bay 207 to Gun Bay TI-0000-0787 CR-024068 HMDS Path Forward TI-0000-1048 CR-023982 Panoramic Cockpit Display-Electronic Unit (PCD-EU) TI-0000-1062 TBD CV Main Landing Gear TI-0000-1063 TBD CV Nose Landing Gear TI-0000-0284 TBD STOVL Canopy frame TI-0000-0316 TBD CTOL FS 496 Bulkhead Trunnion TI-0000-0321 TBD Lift Fan Exhaust Door Aft Uplock Hook Failure			

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015
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TI-0000-0467	TBD	Fuel Floor - FS496-556, LH	
TI-0000-0468	TBD	Fuel Floor - FS496-556, RH	
TI-0000-0486	TBD	Short Life - STOVL Inner Wing FS518 Lower Bulkhead	
TI-0000-0543	TBD	Path Forward for Outboard Rib at Station 2 and 10	
TI-0000-0556	TBD	STOVL Short Life Parts: Aft Mid Keel	
TI-0000-0638	TBD	STOVL BL 0.0 Web Fwd Upper Engine Mount Support	
TI-0000-0813	TBD	CV Life Limited Structures Part - LH/RH Pylon Sta 3 Aft Rib	
TI-0000-0815	TBD	2WSH24212 CV FWD Upper Engine Mount	
TI-0000-0816	TBD	2WSH34496 - CV FS 496 Bkhd Station 6	
TI-0000-1440	TBD	STOVL Thrust Mount Shear Webs	
TI-0000-0723	TBD	EOTS PBS Startup Timeline	
TI-0000-0055	CR-019070	IPP Bay Vent Fan Electrical Bond	
TI-0000-0281	CR-020226	Hoist Point Cover FIP Proposal	
TI-0000-1023	CR-022936	Roll Nozzle and Duct Bay - BALD Sensors redesign	
TI-0000-0193	CR-021921B	EW Gain State Control Logic Error	
TI-0000-1365	CR-022721A	Cat Launch Shock Exceeds INS PBS	
TI-0000-0448	TBD	Add -0007 ASSCA/-0006 ATQA To Aircraft TVE	
TI-0000-0842	TBD	2ESH10095 CV HT Rib 5 Life Limited Structures Part	
TI-0000-0976	TBD	BF6 and BF8 RCS ATP	
TI-0000-0819	TBD	Liquid Cooling System Cart - Facility AC Power Interface	
TI-0000-1134	TBD	Cabin Pressure Tester	
TI-0000-1198	TBD	HT Heating	
TI-0000-0361	CR-023382	Vertical Tail 575 Fitting	
TI-0000-0386	CR-025191	Fuel System Major Variance for LRIP 1 ? Signal Amplifier	
TI-0000-0516	CR-022972	AAR Probe Weak Link Adaptor Re-design	
TI-0000-0576	CR-020289A	Refuel Probe/Tailhook Emergency Control Valve	
TI-0000-0578	CR-020289A	Aux Inlet Door Emergency Control Valve	
TI-0000-1082	TBD	Power Panel 1 & 2 Random Vibration Failures	
TI-0000-1203	CR-021217	Life Limited 402 Frame	
TI-0000-1289	CR022737	US16E Ejection Seat / MWARS Retrofit Configuration Proposal	
TI-0000-1421	TBD	STOVL Main Landing Gear	
TI-0000-1422	CR-021388A	STOVL Nose Landing Gear	
TI-0000-1483	TBD	Power Panel 3 Random Vibration Failures - Second Failure	
TI-0000-1486	CR-023838	STOVL FS 503 Frame / IPP Shear Web Durability Test Failure	
TI-0000-1515	CR-024000	ESG Service Life (Generator) -0003	
TI-0000-1551	TBD	28V Battery Full Qualification	
TI-0000-1589	CR-023300	Hydraulic System Single Point Failure	
TI-0000-1786	CR-023729	FS-402 Frame (TIN-075)	
TI-0000-1857	TBD	2GHH42033 Time Delay Valve ? Fully Qualified Part	
TI-0000-2467	CR-025204	CTOL FS 503 Frame Limited Life	
TI-0000-2468	CR-025204	CTOL IPP Shear Web Limited Life Discovery	
TI-0000-2641	CR-024341	STOVL Short Shank Condition, Engine Access Panel	
TI-0000-2674	CR-24794	Cracking of Bifurcation Seam Treatment	
TI-0000-2892	CR-025079	BF5 IRCM Hinge to Drive Link Clash	

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TI-0000-1552	TBD	28V BCCU Lightning Compliance	
TI-0000-2682	TBD	AR Probe Light	
TI-0000-0884	CR-024000	AESG - Material & Workmanship	
TI-0000-1142	TBD	Missionized Gun System Jumper Panel Hoses and Drain Seal	
TI-0000-1796	CR-025271	Ordnance Hoist System (OHS) Motor	
TI-0000-2506	TBD	Gun Port Blast Mislocation	
TI-0000-2546	TBD	Weapon bay light departing aircraft during flight	
TI-0000-2833	TBD	Gun System Muzzle and Purge Door Time Out	
TI-0000-0387	CR-016910	Fuel System Major Variance for LRIP 1 ? Dive Rate Performance	
TI-0000-1161	CR-22656	STOVL Aft MLG Door Cracking	
TI-0000-1518	CR-024193	PAO Cooling Orifices In Center Fuselage Cold Liquid Loop	
TI-0000-1783	TBD	Canopy Boot Cracking	
TI-0000-2633	CR-024265	Flaperon Blade Seal Buckling	
TI-0000-2672	TBD	Radome Shroud Gapping / Trimming	
TI-0000-2909	CR-025167	IPP Bay High Flow Air Duct Separation	
TI-0000-2931	TBD	CV NLG Drag Brace Cylinder and Steering Motor	
TI-0000-0236	CR-019412	FPS Fire and Bleed Leak Controller (FBLC) Redesign	
TI-0000-0260	CR-016633C	Canopy Actuation System	
TI-0000-0738	CR-025142	Modified Fuel Dump Valve (T28a)	
TI-0000-0772	TBD	PTMS Turbomachine/ACCM Cable Interface Changes	
TI-0000-0327	TBD	STOVL High Sea State Fuel Stowage ? Rev B to CR-016712A	
TI-0000-0737	TBD	IPP Purge Issue Due to Low Fuel Shutdown	
TI-0000-1650	CR-022737	MWARS for Production Seat	
TI-0000-1653	CR-23490	Ground Maintainance Valve Deletion to Prevent PAO in Cockpit (DR 1-4815699)	
TI-0000-2416	TBD	CV Drag Strut - Alt Gear Extension	
TI-0000-2450	CR-023901	Bleed Air Sensor Fitting Galling	
TI-0000-2635	TBD	CV NLG Interference Problems - OBOGs routing	
TI-0000-2725	CR-024162	Vehicle Management Computer (VMC)	
TI-0000-2834	CR-024904	Boarding Ladder Cracks	
TI-0000-2889	TBD	WBDDS Supplier Disclosure on Lower Breakaway Torque	
TI-0000-0771	CR-16464B	Install Battery into CNI Rack 3A and 3B	
TI-0000-0945	TBD	CTOL Audio Control Electronics (ACE) In-Flight Refueling	
TI-0000-1056	CR-016660C	RADAR 1A & 1B Racks -0002 Cut-in	
TI-0000-2818	CR-025046	EOTS LoS Pointing Angle	
TI-0000-1093	CR-023616	CV Arresting Gear	
TI-0000-0358	TBD	Production Ejection Seat (-0021)	
TI-0000-0514	TBD	Lift Fan Inlet Maintenance Fix	
TI-0000-0579	TBD	Auto Pilot	
TI-0000-1520	TBD	CV Nose Landing Gear Aircraft Integration	
TI-0000-1761	TBD	HT EHA Solenoid Valve (SOV) Qual Test Failure	
TI-9999-0655	TBD	EO DAS Center Fuselage Vibration Testing	
TI-0000-0730	TBD	CV Rudder EHA	
TI-0000-0833	CR-021053	Short Shank Condition on Engine Inspection Panels	
TI-0000-1122	TBD	LEFAS Foldbox Lug Cracking	

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Exhibit P-3a, Individual Modification: PB 2016 Navy			Date: February 2015
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TI-0000-1192	TBD	CTOL Thrust Mount Shear Web	
TI-0000-1494	TBD	PTMS Turbomachine Configuration to Correct Qualification Failures	
TI-0000-1499	TBD	FS 472 Bulkhead Crack BH-1	
TI-0000-1541	TBD	CV HT LOWER SKIN BOLTS SD-2013-010	
TI-0000-1649	TBD	CV LEFAS Asymmetry Brake Lug Cracking	
TI-0000-1655	CR-024025	STOVL Right Hand (RH) and Left Hand (LH) Rear Spar Lower Flange Fatigue Cracks	
TI-0000-2423	TBD	CV Lower FS 518 Design Change	
TI-0000-2448	CR-023966A	CV Thrust Mount Shear Web - Service Life	
TI-0000-2670	TBD	Durability Findings 2013 and Bulkhead FS 496	
TI-0000-2813	TBD	Durability Findings and FS 450, 472, 556, 518 Lower and IRCM Fitting	
TI-0000-2814	TBD	Durability Findings 2013 FS 575 Center Arch Frame	
TI-0000-1104	TBD	CTOL Ventilation Leakage from Bay 207L	
TI-0000-0992	CR-013553	Outboard Vertical Tail Seal Redesign	
TI-0000-0904	CR-021759	Backup Radio Guide Pin Misalignment	
TI-0000-1053	CR-022138	Fire Suppression Bottle Low Clearance	
TI-0000-2675	TBD	Roll Nozzle Bay - BALD Sensors - Supplier Disclosure	
TI-0000-2921	CR-025116	Gun Vent Door Unpainted Brackets	
TI-0000-0485	TBD	J12003 Ejection Seat Stand Design Issues	
TI-0000-0660	TBD	J26007 LF Driveshaft	
TI-0000-0799	TBD	Canopy Sling	
TI-0000-1337	TBD	DR 1-2076141 Tool Boxes not within weight standards	
TI-0000-1338	TBD	DR 1-2565051 Tool Set Shipboard FOD Hazard	
TI-0000-1629	TBD	Deployable Mission Rehearsal Trainer #1	
TI-0000-1658	TBD	Changes to Support Turning on AMC's Algorithms in ALIS	
TI-0000-2440	TBD	J26035 Adapter, Drive Shaft Compression Galling issue	
TI-0000-2699	CR-023093C	Fibre Channel Switch Design Issues -0005	
TI-0000-2797	TBD	SE Weight Label and Forklift Provisions	
TI-0000-2954	TBD	STOVL NLG EEE Failure	
TI-0000-1408	TBD	AEL, Aft Sector	
TI-0000-2865	TBD	TR2 and SP-SPIO	
TI-7777-0004	CR-013644D	MLG Strut Redesign	
TI-7777-0007	CR-015718A	OBOGS Plenum HEPA Filter Provisioning	
TI-7777-0010	CR-016660B	Radar Harness Redesign	
TI-7777-0024	CR-018697	Gun Gas Purge & Gun Port Door Actuators	
TI-7777-0031	CR-018544	Brake Control Electronic Unit Update	
TI-7777-0042	CR-018487A	Return Fuel Cooler HX Coating	
TI-7777-0057	CR-018378	Nacelle Fan - Full Qualified Configuration	
TI-7777-0077	CR-009382B	Small Diameter Bomb (SDB) Rack Strut	
TI-7777-0081	CR-014768E	270V BCCU Change	
TI-7777-0083	TBD	EHAS/LEFAS -0011 EU & Rack Config Update	
TI-7777-0084	CR-016708A	ACCM Filter Pin	
TI-7777-0085	CR-016758A	Replacement of Door Actuator Lock Assemblies	
TI-7777-0087	CR-016909A	Flaperon EHA Pump Design Change	
TI-7777-0089	CR-017095	Avionics Bay Environmental Seal Change	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)
TI-7777-0093 CR-017505 Flow Sensor EMI/Vibration TI-7777-0095 CR-017773 Manual Drive Unit TI-7777-0097 CR-017937A IEU Lightning Compliance TI-7777-0098 TBD CTOL Structure Redesign for Updated Gun Loads TI-7777-0101 CR-15956A NLG Down Lock Actuator TI-7777-0102 CR-016633C Canopy Actuation System TI-7777-0106 CR-016912 WBD Fwd Uplock Roller Bracket DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES For the F-35 program, the emergence of new concurrency issues is expected to phase out with the completion of SDD in the FY18 timeframe.		

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0593 / F-35 CV Series				Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)					
Models of Systems Affected: F-35 CV				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: F-35 CV CONCURRENCY (OSIP 024-14)													
A Kits													
Recurring													
1.1.1) Structures - Organic	- / -	- / -	- / 0.177	- / 18.435	- / -	- / 18.435	- / 15.361	- / 14.930	- / 5.508	- / 5.070	Continuing	Continuing	
1.1.2) Concurrency - Organic	- / -	- / 2.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.336	
1.1.3) Mission Systems - Organic	- / -	- / -	- / 0.178	- / 0.971	- / -	- / 0.971	- / 3.511	- / 3.853	- / 1.377	- / 1.399	Continuing	Continuing	
1.1.4) Vehicle Systems - Organic	- / -	- / -	- / 0.178	- / 3.395	- / -	- / 3.395	- / 3.950	- / 4.335	- / 1.549	- / 1.574	Continuing	Continuing	
1.1.5) Propulsion - Organic	- / -	- / -	- / 0.178	- / 19.891	- / -	- / 19.891	- / 14.923	- / 17.339	- / 6.026	- / 6.119	Continuing	Continuing	
Subtotal: Recurring	- / 0.000	- / 2.336	- / 0.711	- / 42.692	- / -	- / 42.692	- / 37.745	- / 40.457	- / 14.460	- / 14.162	Continuing	Continuing	
Subtotal: F-35 CV CONCURRENCY (OSIP 024-14)	- / -	- / 2.336	- / 0.711	- / 42.692	- / -	- / 42.692	- / 37.745	- / 40.457	- / 14.460	- / 14.162	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 2.336	- / 0.711	- / 42.692	- / -	- / 42.692	- / 37.745	- / 40.457	- / 14.460	- / 14.162	Continuing	Continuing	
Support (All Modification Items)													
2.1) Other Support	- / -	- / -	- / -	- / 1.940	- / -	- / 1.940	- / 2.194	- / 2.890	- / 1.033	- / 1.224	Continuing	Continuing	
2.2) ILS	- / -	- / -	- / 0.656	- / 3.881	- / -	- / 3.881	- / 3.950	- / 4.816	- / 1.721	- / 2.098	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / 0.656	- / 5.821	- / -	- / 5.821	- / 6.144	- / 7.706	- / 2.754	- / 3.322	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	2.336	1.367	48.513	-	48.513	43.889	48.163	17.214	17.484	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0593 / F-35 CV Series			Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)	
Modification Item 1 of 1: F-35 CV CONCURRENCY (OSIP 024-14)							
Manufacturer Information							
Manufacturer Name: Not Specified.				Manufacturer Location: Not Specified..			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 0			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0593 / F-35 CV Series						Modification Number / Title: 3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)		
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>)	0.000	-	-	1.965	-	1.965	0.561	0.765	-	-	-	3.291
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	1.965	-	1.965	0.561	0.765	-	-	-	3.291
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	1.965	-	1.965	0.561	0.765	-	-	-	3.291
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The block upgrade program retrofits United States Navy Carrier Variant (CV) aircraft and integrated systems procured under the Low Rate Initial Production (LRIP) contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration. This effort (OSIP 005-17) focuses on the Block 3F configuration upgrade effort for 11 LRIP 4-5 and 15 LRIP 6-8 CV aircraft and integrated systems. All of the LRIP 4-5 CV aircraft receiving the Block 3F software under this OSIP will have already received the Block 3i hardware under OSIP 016-14. This effort purchases all necessary software and installation labor to ensure all LRIP 4-8 CV aircraft are upgraded to a Block 3F baseline for full warfighting capability. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES Block 3F Fleet Release is planned to occur by 4th Qtr FY17.												

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0593 / F-35 CV Series				Modification Number / Title: 3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)					
Models of Systems Affected: F-35 CV				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800N					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)													
B Kits													
Recurring													
1.1.1) Block 3F LRIP 4-5 - NonOrganic	- / -	- / -	- / -	6 / 0.006	- / -	6 / 0.006	11 / 0.011	- / -	- / -	- / -	- / -	17 / 0.017	
1.1.2) Block 3F LRIP 6-8 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.015	- / -	- / -	- / -	15 / 0.015	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.006	- / -	- / 0.006	- / 0.011	- / 0.015	- / -	- / -	- / -	- / 0.032	
Subtotal: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)	- / -	- / -	- / -	6 / 0.006	- / -	6 / 0.006	11 / 0.011	15 / 0.015	- / -	- / -	- / -	32 / 0.032	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 0.006	- / -	- / 0.006	- / 0.011	- / 0.015	- / -	- / -	- / -	- / 0.032	
Support (All Modification Items)													
2.1) Training Equipment	- / -	- / -	- / -	- / 1.659	- / -	- / 1.659	- / -	- / -	- / -	- / -	- / -	- / 1.659	
Subtotal: Support	- / 0.000	- / -	- / -	- / 1.659	- / -	- / 1.659	- / -	- / -	- / -	- / -	- / -	- / 1.659	
Installation													
Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)	- / 0.000	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.550	- / 0.750	- / -	- / -	- / -	- / 1.600	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 0.300	- / -	- / 0.300	- / 0.550	- / 0.750	- / -	- / -	- / -	- / 1.600	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	1.965	-	1.965	0.561	0.765	-	-	-	3.291	

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1										P-1 Line Item Number / Title: 0593 / F-35 CV Series										Modification Number / Title: 3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)											
Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin - Block 3F LRIP 4-5															Manufacturer Location: Fort Worth, TX																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 3																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates										Oct 2015				Oct 2016																	
Delivery Dates										Jan 2016				Jan 2017																	
Manufacturer Name: Lockheed Martin - Block 3F LRIP 6-8															Manufacturer Location: Fort Worth, TX																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 3																
Dates		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020					
Contract Dates																		Oct 2017													
Delivery Dates																		Jan 2018													
Installation Information																															
Method of Implementation: [none specified]:: Installation Name: Block 3F LRIP 4-5																															
Installation Cost		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																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	6 / 0.300	- / -	6 / 0.300	- / -	- / -	- / -	- / -	- / -	6 / 0.300																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.550	- / -	- / -	- / -	- / -	11 / 0.550																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	6 / 0.300	- / -	6 / 0.300	11 / 0.550	- / -	- / -	- / -	- / -	17 / 0.850																		
Installation Schedule																															
	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	6	-	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Out	-	-	-	-	-	-	-	-	-	-	-	-	6	-	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	17

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Exhibit P-3a, Individual Modification: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1		P-1 Line Item Number / Title: 0593 / F-35 CV Series			Modification Number / Title: 3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)		

Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: Block 3F LRIP 6-8

Installation Cost	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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.750	- / -	- / -	- / -	15 / 0.750
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.750	- / -	- / -	- / -	15 / 0.750

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	15

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft							P-1 Line Item Number / Title: 0595 / QRC					
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>	0.000	-	-	6.885	-	6.885	5.705	2.465	2.800	3.200	-	21.055
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	6.885	-	6.885	5.705	2.465	2.800	3.200	-	21.055
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	6.885	-	6.885	5.705	2.465	2.800	3.200	-	21.055
<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>	-	-	-	-	-	-	-	-	-	-	-	-
 Description: Details of this P-1 item are classified.												
 Justification: Justification of this request is provided separately.												

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